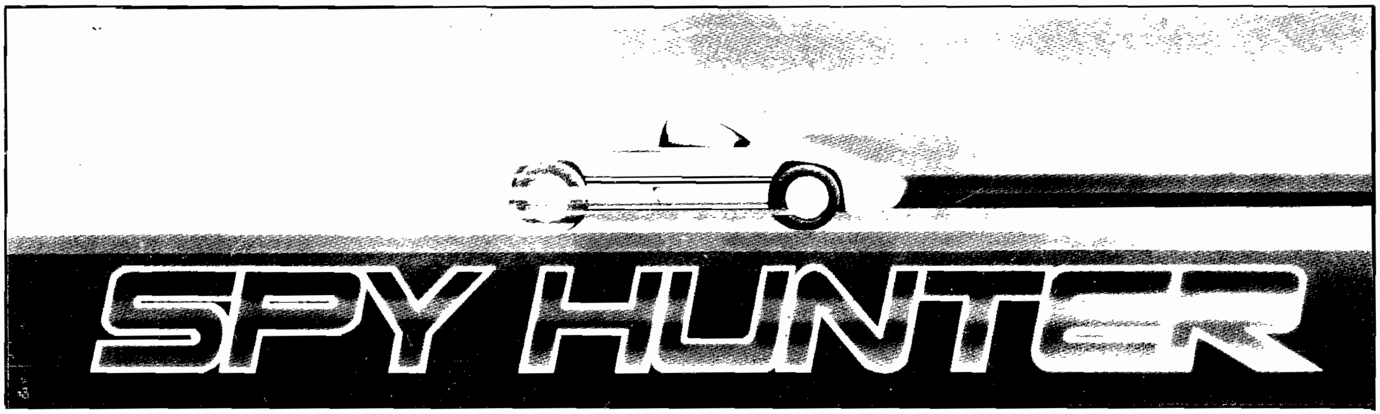
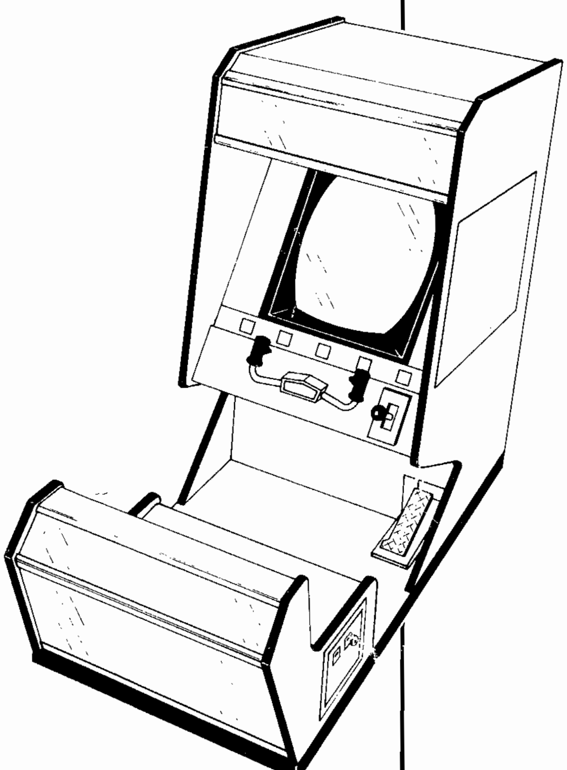
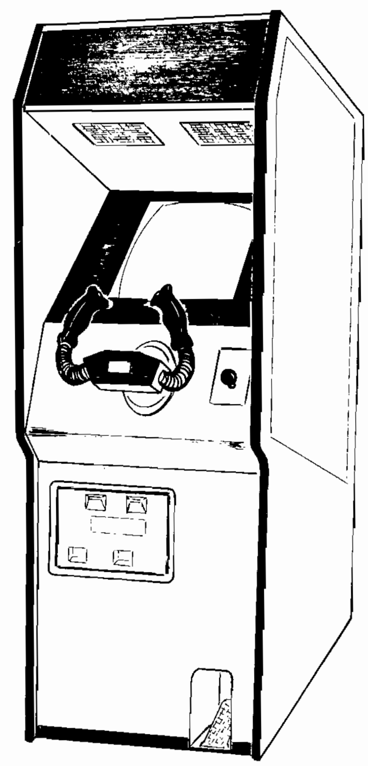
November, 1983
Game Nos. 307
A27



Parts and Operating Manual



NO. 307
SIT DOWN



NO. A27
UPRIGHT

Bally

MIDWAY MFG. CO.

10601 W. Belmont Avenue
Franklin Park, Illinois 60131
U.S.A.

Phone: (312) 451-9200 Cable Address: MIDCO Telex No.: 72-1596

FORM NO. 0307-00300-0000

WARNING

THIS GAME MUST BE GROUNDED. FAILURE TO DO SO MAY RESULT IN DESTRUCTION TO ELECTRONIC COMPONENTS.

WARNING: This equipment generates, uses, and can radiate radio frequency energy and if not and used in accordance with the instructions manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a CLASS A computing device pursuant to SUBPART J of PART 15 of FCC RULES, which are designed to provide reasonable protection against such interference when operated in a commerical environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.

ELECTRICAL BULLETIN: FOR ALL APPARATUS COVERED BY THE CANADIAN STANDARDS ASSOCIATION (CSA) STANDARD C22.2 NO. 1, WHICH EMPLOYS A SUPPLY CORD TERMINATED WITH A POLARIZED 2-PRONG ATTACHMENT PLUG.

CAUTION: TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

ATTENTION: POUR PREVENIR CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR. UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

Bally MIDWAY T.M. — 10601 West Belmont Avenue, Franklin Park, Illinois, 60131 phone (312) 451-9200

Printed in U.S.A.

S P Y   H U N T E R

T A B L E   O F   C O N T E N T S

D E S C R I P T I O N — P A G E

SPY HUNTER

GAME OPERATION

ATTRACT MODE

1. The Attract mode starts:

   ☐ Just after power has been turned on to the game. (Self-Test switch is in the "OFF" position.)

   ☐ After a Self-Test has been completed and there are no more credits left in the games memory.

   ☐ After a play has been finished, the score was not high enough to put the game into the High Score/Initial mode, and there are no more credits left in the games memory.

   ☐ After the High Score/Initial mode when there are no more credits left in its memory.

   ☐ No matter where the game is in the Attract mode sequence, it will immediately go to the Ready-To-Play mode display as soon as a game has been paid for.

READY-TO-PLAY MODE

1. The Ready-To-Play mode starts when enough coins have been accepted for a 1 player game.
2. The Ready-To-Play mode ends when the "WEAPONS VAN" push button is pressed (it also serves as a "START" button).

PLAY MODE

1. The Play mode begins when the "WEAPONS VAN" push button is pressed (it also serves as a "START" button).
2. The Play mode ends when all of your CARS have been eliminated. When this happens, "GAME OVER" is written across the monitor screen.

HIGH SCORE/INITIAL MODE:

If your score was high enough to become one of the ten best scores, the game will go into the High Score/Initial mode immediately after the "GAME OVER" display. If your score is not high enough to cause the game to go into the High Score/Initial mode, it will either go to the Attract mode (if there are no more credits left in its memory) or into the Ready-To-Play mode (if there are still credits left in its memory).

Follow the ON-SCREEN instructions to enter your initials next to your score in the league of the best ten players to date.

After the High Score/Initial mode, the game will either go to the Attract mode (if there are no more credits left in its memory) or into the Ready-To-Play mode (if there are still credits left in its memory).

SPY HUNTER

SCORING

DESCRIPTION	POINTS AWARDED	NOTES
BUMPER CAR	150 POINTS	ON THE ROAD
TIRE SLASHER	150 POINTS	ON THE ROAD
LIMO	500 POINTS	ON THE ROAD
SPEED BOAT	150 POINTS	IN THE WATER
TORPEDO BOAT	500 POINTS	IN THE WATER
HELICOPTER	700 POINTS	ROAD & WATER
STAYING ON ROAD	15 POINTS	FOR EACH 1/4 SCREEN TRAVELED
STAYING IN WATER	25 POINTS	FOR EACH 1/4 SCREEN TRAVELED

SPY HUNTER

OPTION SWITCH SETTINGS

//SWITCH NO. 1 - AT B 3 - LOCATED ON SOUND I/O P.C. BOARD//

	SW#1	SW#2	SW#3	SW#4	SW#5	SW#6	SW#7	SW#8	SW#9	SW#10
DURING GAME PLAY:	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	
FREEZE VIDEO										**ON**
**NORMAL OPERATION										**OFF**

//SWITCH NO. 3 - AT D 14 - LOCATED ON SOUND I/O P.C. BOARD//

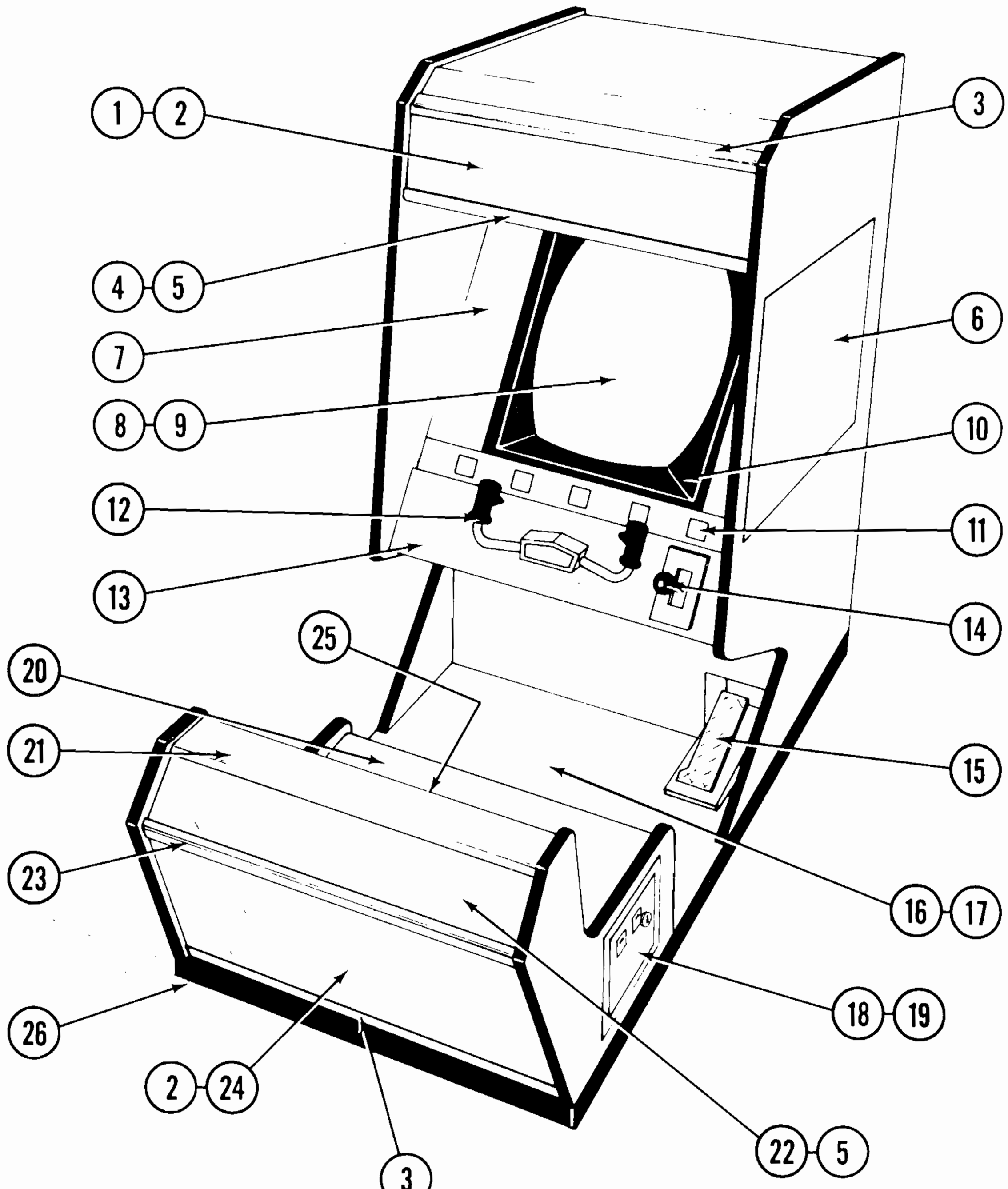
	SW#1	*SW#2	*SW#3	*SW#4
**NORMAL OPERATION	**OFF**			
SOUND I/O DIAGNOSTIC MODE	**ON**			
**NORMAL OPERATION		**OFF**		
RAM/ROM TEST INDICATES TEST RESULTS VIA YELLOW L E D ON SOUND I/O BOARD: FAST FLASH = BAD ROM SLOW FLASH = BAD RAM		**ON**		
**NORMAL OPERATION			**OFF**	
OSCILLATOR TEST			**ON**	
**NORMAL OPERATION				**OFF**
FILTER TEST				**ON**

*NO EFFECT IF SW#1 OF SWITCH NO. 3 IS IN THE "OFF" POSITION.
**FACTORY RECOMMENDED SETTINGS.

PART NO. M051-00307-A007

THE REMAINDER OF YOUR NEW GAME'S MOST COMMON OPTION SETTINGS ARE CONDUCTED DURING THE **MACHINE SETUP** PORTION OF THE SELF-TEST MODE.

NO. 307 - SPY HUNTER SIT DOWN - FRONT



NOTE: DRAWING MAY DIFFER SLIGHTLY FROM ACTUAL ASSEMBLY

NO. 307 - SPY HUNTER SIT DOWN - FRONT PARTS LIST

ORDER BY PART NUMBER **ONLY**

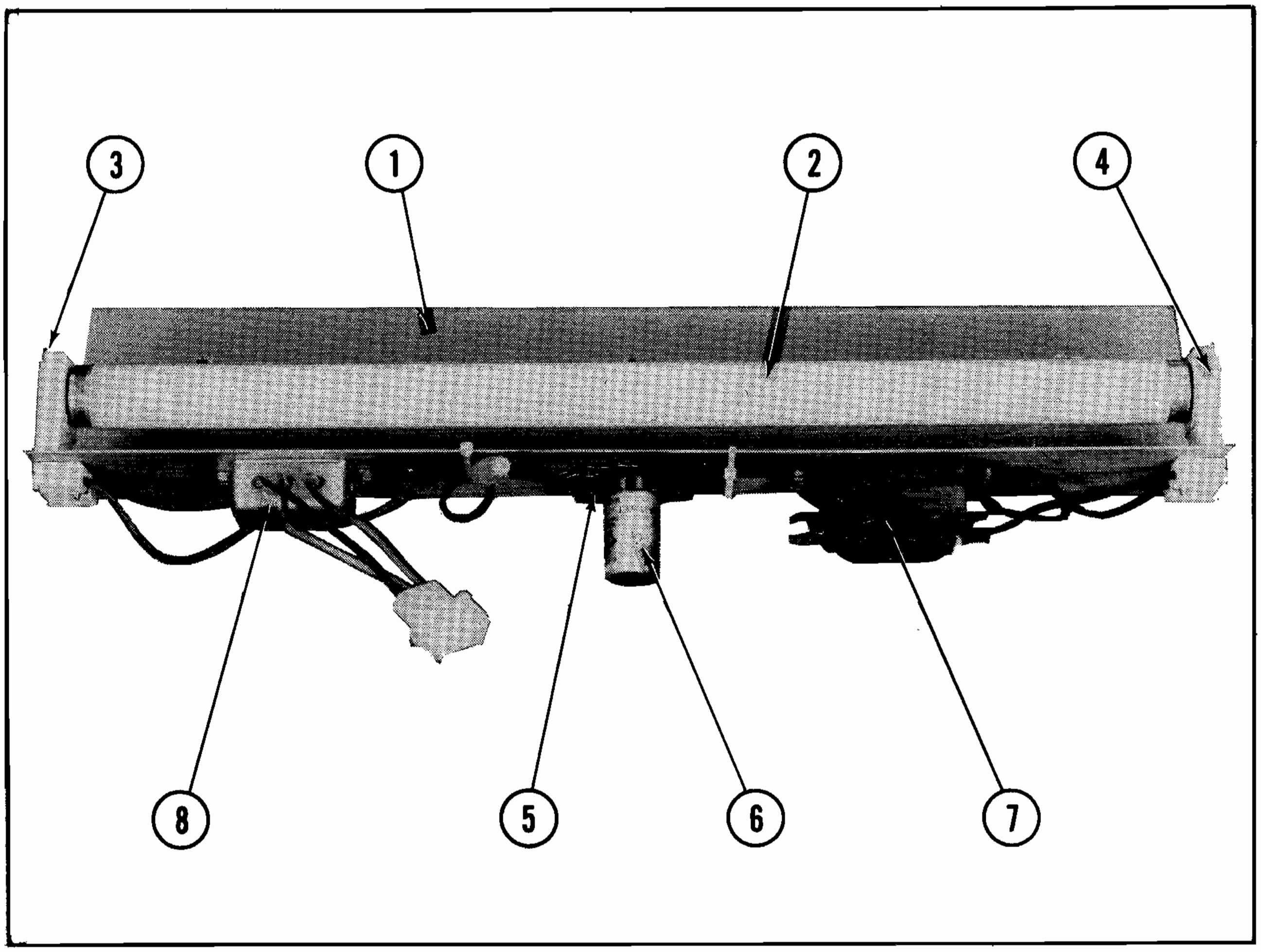
ITEM	PART NO.	DESCRIPTION
1	0307-00902-00XF	HEADER GLASS - MAIN
2	A595-00011-0000	HEADER FLUORESCENT LIGHT ASSY. (3 REQ'D)
3	0336-00103-00XF	HEADER RETAINER BRKT. (2 REQ'D)
	0017-00101-0138	#8X5/8 TORX PAN HD. TAMPER PROOF SCREW (4 REQ'D)
4	A307-00014-00XF	FRONT SPEAKER GRILLE ASSY.
5	0017-00003-0430	6"X9" SPEAKER 4 OHM, 10W (4 REQ'D)
	0017-00101-0136	#8-32X1-1/4 CARRIAGE BOLT (24 REQ'D)
	0017-00103-0061	#8-32 HEX NUT W/SEMS (24 REQ'D)
6	0307-00913-0100	DECAL - RIGHT
	0307-00913-0200	DECAL - LEFT
7	0307-00905-00XF	MAIN VIEWING GLASS
8	0017-00003-0339	ELECTROHOME - 19" COLOR HORIZ MONITOR (OR)
	0017-00003-0439	WELLS-GARDNER - 19" COLOR HORIZ MONITOR (OR)
	0017-00003-0454	ZENITH - 19" COLOR HORIZ MONITOR
	0349-00101-0000	MONITOR SUPPORT RAIL (2 REQ'D)
	0555-00901-0000	PLASTIC LOCATING PIN (4 REQ'D)
	0017-00101-0141	#8X11/16 UNSLOT HEX HD M.S. (8 REQ'D)
9	0314-00902-0000	PLEXI - GLASS
	0508-00901-0000	PLEXI - GLASS MTG CLIPS (4 REQ'D)
	0017-00101-0017	#6X1/2 BLK SLT HEX HD SCR (4 REQ'D)
10	0307-00918-0000	T.V. BEZEL
11	A307-00044-0000	LIGHT PANEL ASSY.
	0360-00935-0000	SMALL SHADOW BOX (5 REQ'D)
	0017-00003-0219	#194 WEDGE BASE LAMP -14V., .27A. (5 REQ'D)
	0017-00031-0030	WEDGE BASE LAMP SOCKET (5 REQ'D)
12	A307-00018-0000	WELD STUD & CONTROL SHELF ASSY.
	0307-00911-0000	DECORATIVE OVERLAY
	0307-00132-0100	CONTROL SHELF MTG. BRKT. - RIGHT
	0307-00132-0200	CONTROL SHELF MTG. BRKT. - LEFT
	0555-00901-0000	PLASTIC LOCATING PINS (4 REQ'D)
	0017-00009-0534	BASSICK CLAMP (2 REQ'D)
	0610-00132-00ZN	STRIKE (2 REQ'D)
	0017-00101-0141	#8X11/16 UNSLOT HEX HD SCR (12 REQ'D)
	0307-00117-00XF	CONTROL SHELF HINGE
13	A307-00042-0000	CONTROL HANDLE ASSY.
14	A307-00038-0000	GEAR SHIFT ASSY.
15	A307-00033-0000	ACCELERATOR PEDAL ASSY.
16	0307-00116-0000	FLOOR
17	0307-00917-0000	DECORATIVE FLOOR OVERLAY
	0017-00101-0138	#8X5/8 TORX PAN HD. TAMPER PROOF SCR (8 REQ'D)
18	A982-00014-0004	50 ¢ DOUBLE COIN DOOR & CABLE ASSY.
	0017-00009-0477	MOLDED CASH BOX
	A894-00025-0000	CASH BOX COVER ASSY.
	A894-00024-0000	CASH BOX SIDE CHANNEL ASSY. - LONG
	0894-00121-0000	CASH BOX SIDE CHANNEL - LONG
19	0090-00002-04BK	LARGE COIN DOOR FRAME
	0017-00101-0121	#6-32X5/16 PHIL TRS HD SCR. (3 REQ'D)(MOUNTS COIN DOOR TO FRAME)
20	0307-00919-0000	SEAT ARRANGEMENT

NO. 307 - SPY HUNTER SIT DOWN - FRONT PARTS LIST

ORDER BY PART NUMBER **ONLY**

ITEM	PART NO	DESCRIPTION
21	0307-00121-00XF	SEAT COPING
22	0307-00903-00XF	REAR SEAT HEADER - INSTRUCTIONS
23	0307-00119-00XF	REAR HEADER BRKT. - MIDDLE
	0017-00101-0138	#8X5/8 TORX PAN HD TAMPER PROOF SCREW (13 REQ'D)
24	0307-00904-00XF	DISPLAY HEADER REAR - BOTTOM
25	A307-00015-00XF	REAR SPEAKER GRILLE ASSY. (NOT SEEN)
26	0017-00102-0048	3/8-16X2" LEG LEVELERS (8 REQ'D)
	0017-00103-0026	3/8-16 LEG LEVELERS HEX NUTS (8 REQ'D)
		ADDITIONAL PARTS LIST
	A307-00007-0000	CARD RACK W/BOARDS ASSY.
	A084-91657-A307	SOUND I/O P.C. BOARD ASSY.
	A307-00025-0000	SHIELD & BARRIER ASSY.
	0017-00101-0339	#6-32X3/8 PHIL RND. HD. SCREW (4 REQ'D)
	A084-91442-AA27	C.P.U. MCR-3 P.C. BOARD ASSY.
	A307-00026-0000	SHIELD ASSY. - INNER
	A084-91433-AA27	VIDEO GEN. MCR-3 P.C. BOARD ASSY.
	A307-00027-0000	SHIELD ASSY. - OUTER
	0017-00101-0153	#6-32X1" PHIL RND. HD. SCREW (8 REQ'D)
	A088-00016-0000	INTERLOCK SWITCH & SPRING BRKT. ASSY.
	0303-00904-0000	INTERLOCK SWITCH COVER
	A945-00038-0000	ON-OFF SWITCH & PLATE ASSY.
	A307-00034-0000	MULTIFUNCTION SWITCH/BRACKET ASSY.
	A945-00020-0000	POWER CHASSIS ASSY. - 125VA., 115V
	A945-00019-0000	LINE CORD ASSY. - 115V
	A084-91648-A000	DUAL POWER AMP W/MIXER ASSY. (2 REQ'D)
	A084-91649-C000	ABSOLUTE POSITION P.C. ASSY.
	A084-91673-B000	LAMP DRIVER P.C. BOARD ASSY.
	A084-91671-AA27	CHEAP SQUEAK P.C.B. ASSY.
	A084-90412-D000	POWER SUPPLY - 125VA
	0624-00902-0100	P.C. SUPPORT BRKT. - 12" LG (2 REQ'D)
	0624-00902-0200	P.C. SUPPORT BRKT. - 10" LG (2 REQ'D)
	0624-00902-0400	P.C. SUPPORT BRKT. - 4" LG (2 REQ'D)
	0624-00902-0500	P.C. SUPPORT BRKT. - 6-1/2" LG (2 REQ'D)
	0017-00104-0037	#8 FLAT WASHER (20 REQ'D)
	0017-00101-0141	#8X11/16 UNSLOT HEX HD. SCR. (20 REQ'D)
	A097-00009-0000	BACK DOOR LOCK ASSY.
	0618-00117-00XF	VENT GRILLE (4 REQ'D) - BACK DOOR

HEADER FLOURESCENT FIXTUTRE ASSY.

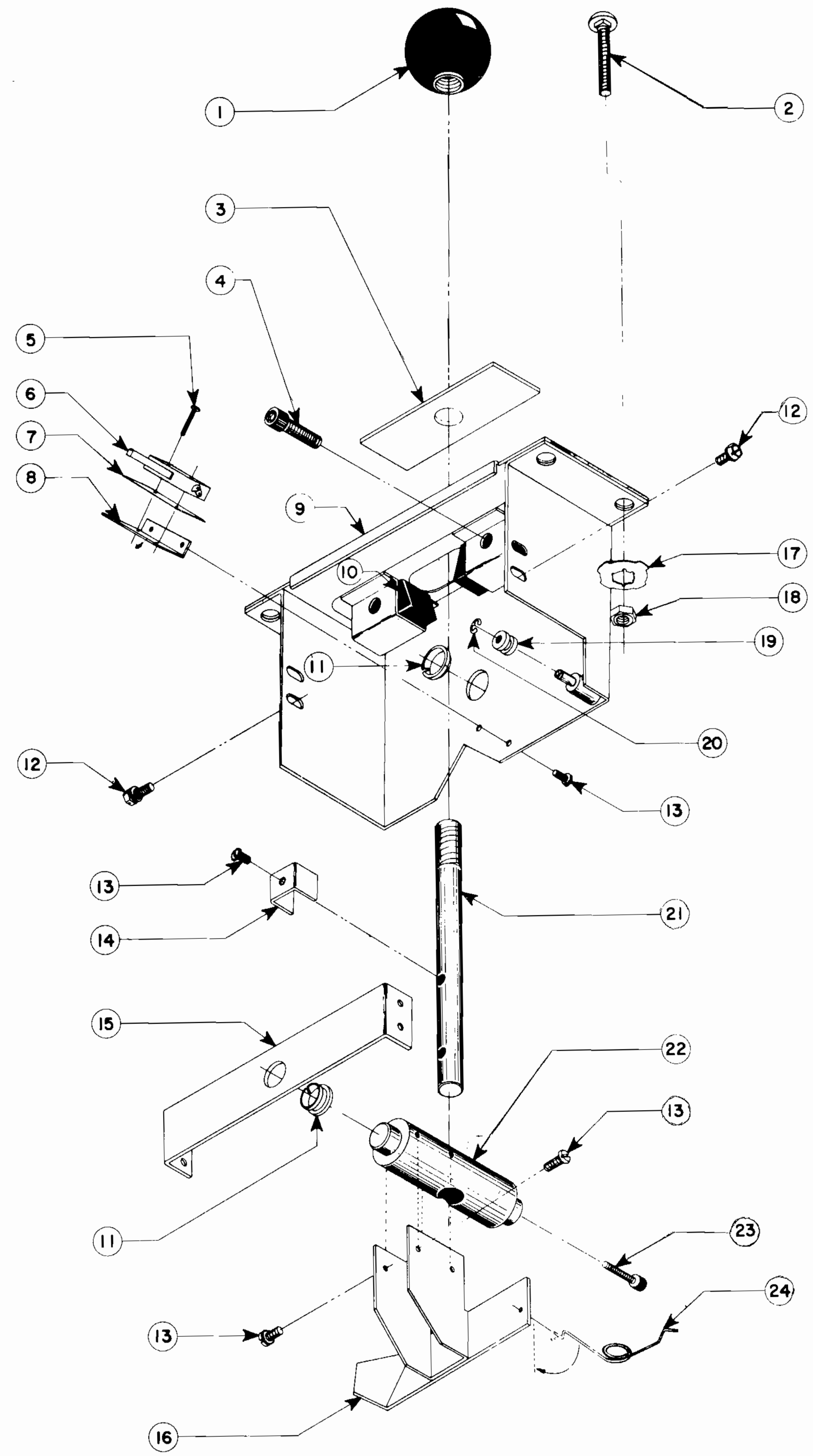


HEADER FLOURESCENT FIXTUTRE ASSY. - PARTS LIST

ORDER BY PART NUMBER ***ONLY***

ITEM	PART NO.	DESCRIPTION
1	0595-00105-0000	FLUORESCENT BRKT.
2	0017-00003-0043	18" COOL WHITE FLUORESCENT LAMP
3	0017-00003-0445	LAMP LOCKS (2 REQ'D.)
4	0017-00031-0036	FLUORESCENT SOCKET (2 REQ'D.)
5	0017-00003-0412	FLUORESCENT STARTER HOLDER W/LEADS
	0017-00101-0573	#6-32 x 1/2 PHIL. RND. HD. M.S. (4 REQ'D.)
	0017-00104-0009	#6 EXT. WASHER (4 REQ'D.)
6	0017-00003-0019	FLUORESCENT STARTER
7	0017-00003-0026	BALLAST
	0017-00101-0598	#8-32 x 5/16 SLT. HEX HD. SCR. (4 REQ'D.)
8	A961-00042-0000	LINE FILTER ASSY.

SPY HUNTER - GEAR SHIFT ASSY.



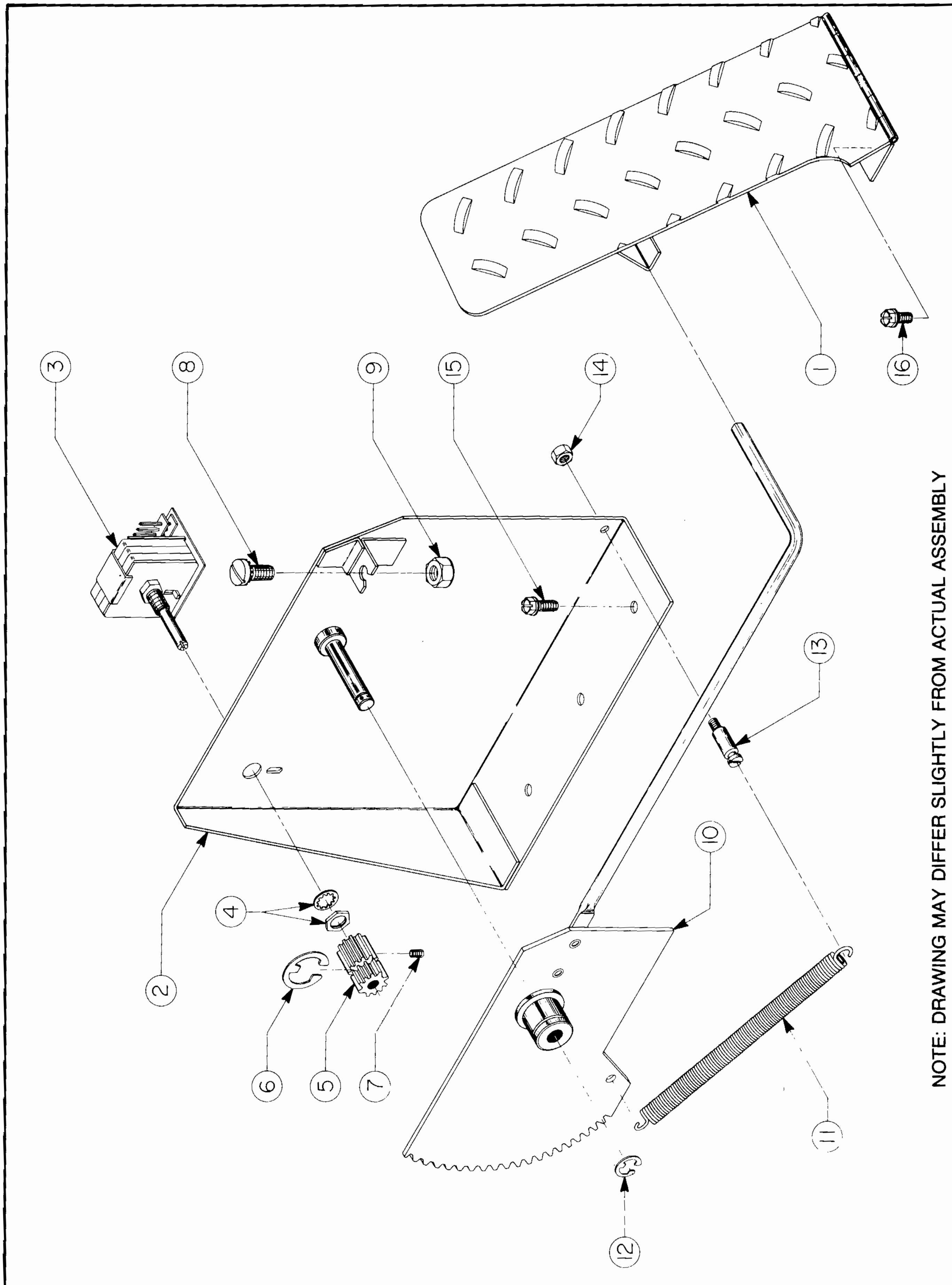
NOTE: DRAWING MAY DIFFER SLIGHTLY FROM ACTUAL ASSEMBLY

SPY HUNTER - GEAR SHIFT ASSY. - PARTS LIST

ORDER BY PART NUMBER **ONLY**

ITEM	PART NO.	DESCRIPTION
1	0017-00009-0561	BALL KNOB
2	0017-00102-0019	1/4-20X1-1/2 CARRIAGE BOLT (4 REQ'D)
3	0307-00912-0000	ROUND SLIDE
4	0017-00101-0668	#10-32X1" HEX SOCKET HD CAP SCREW (2 REQ'D)
5	0017-00101-0155	#4-40X9/16 PHIL PAN HD M.S. (2 REQ'D)
6	0017-00032-0006	CHERRY SWITCH
7	0307-00916-0000	SWITCH INSULATOR
8	0307-00133-0000	SWITCH MTG BRKT.
9	A307-00040-0000	CONTROL HOUSING/BEARING ASSY.
10	0941-00905-0000	BUMPERS (2 REQ'D)
11		NOT USED
12	0017-00101-0179	#10-32X3/8 PHIL PAN HD M.S. (4 REQ'D)
13	0017-00101-0593	#8-32X1/4 PAN HD M.S. W/SEMS (6 REQ'D)
14		NOT USED
15	A307-00041-0000	PLATE/BEARING ASSY.
16	A307-00036-0000	BRACKET & PLATE ASSY.
17	0017-00104-0014	PERIPHERY WASHER (4 REQ'D)
18	0017-00103-0018	1/4-20 HEX NUT (4 REQ'D)
19	0591-00702-0000	ROLLER SPRING
20	0017-00100-0015	5/32" E-RING
21	0307-00709-00XF	GEAR SHIFT ROD
22	0307-00702-00XF	PIVOT BUSHING
	A307-00039-0000	SHIFT & ROD ASSY. (ITEMS 21 & 22)
23		NOT USED
24	0010-00227-0000	TORSION SPRING

SPY HUNTER - ACCELERATOR PEDAL ASSY. SIT DOWN

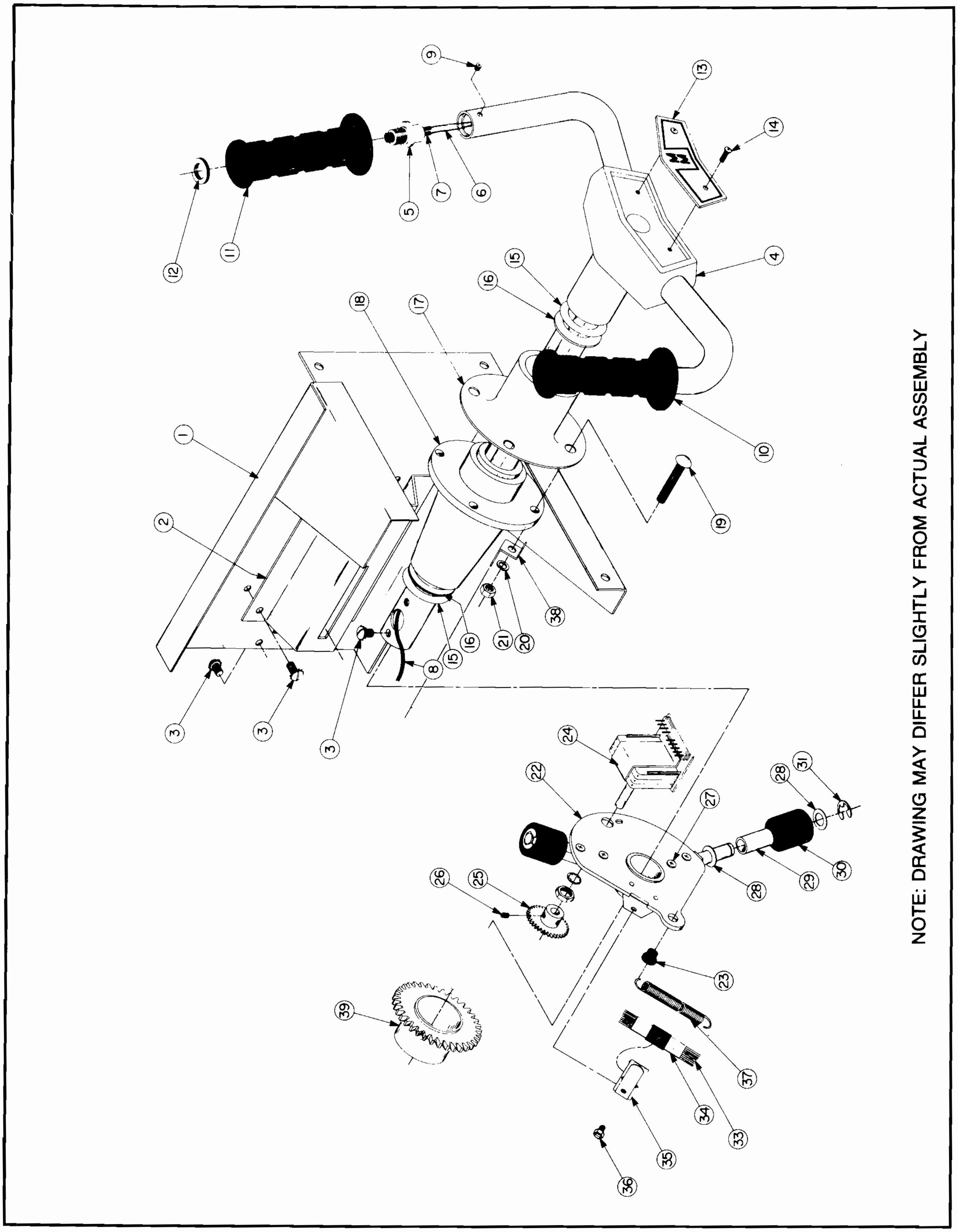


SPY HUNTER - ACCELERATOR PEDAL ASSY. SIT DOWN - PARTS LIST

ORDER BY PART NUMBER **ONLY**

ITEM	PART NO.	DESCRIPTION
1	A307-00016-00XF	ACCELERATOR PEDAL & HINGE ASSY.
2	A307-00017-0000	MOUNTING BRKT. ASSEMBLY
3	105E-00004-0002	POT
4		NOT USED
5	0307-00708-0000	GEAR
	A307-00032-0000	POT & GEAR ASSY. (ITEMS 3 & 5)
6		NOT USED
7		NOT USED
8	0017-00101-0785	1/4-20X1/4 SLT PAN HD EXT. M.S.
9	0653-00734-0000	STOP-POT LIMIT
10	A307-00024-0000	GEAR & LEVER ASSY.
11	0010-00228-0000	PEDAL SPRING
12	0017-00100-0122	E-RING
13	0307-00703-00XF	POST-PIVOT
14	0017-00103-0081	#10-32 HEX NUT W/SEMS
15	0017-00101-0769	#10X3/4 SLT HEX HD W/WASHER M.S. (3 REQ'D)
16	0017-00101-0598	#8-32X5/16 SLT HEX HD M.S. (2 REQ'D)
	0921-00700-0000	PLASTIC ACTUATOR - (GEAR & LEVER ASSY. SHAFT)
	0307-00125-00XF	ACCEL. PEDAL & CONTROL MTG. BRKT. - (FLOOR PLATE)
	0307-00124-00XF	PLATE COVER - (WALL PLATE)

SPY HUNTER - STEERING CONTROL ASSY.

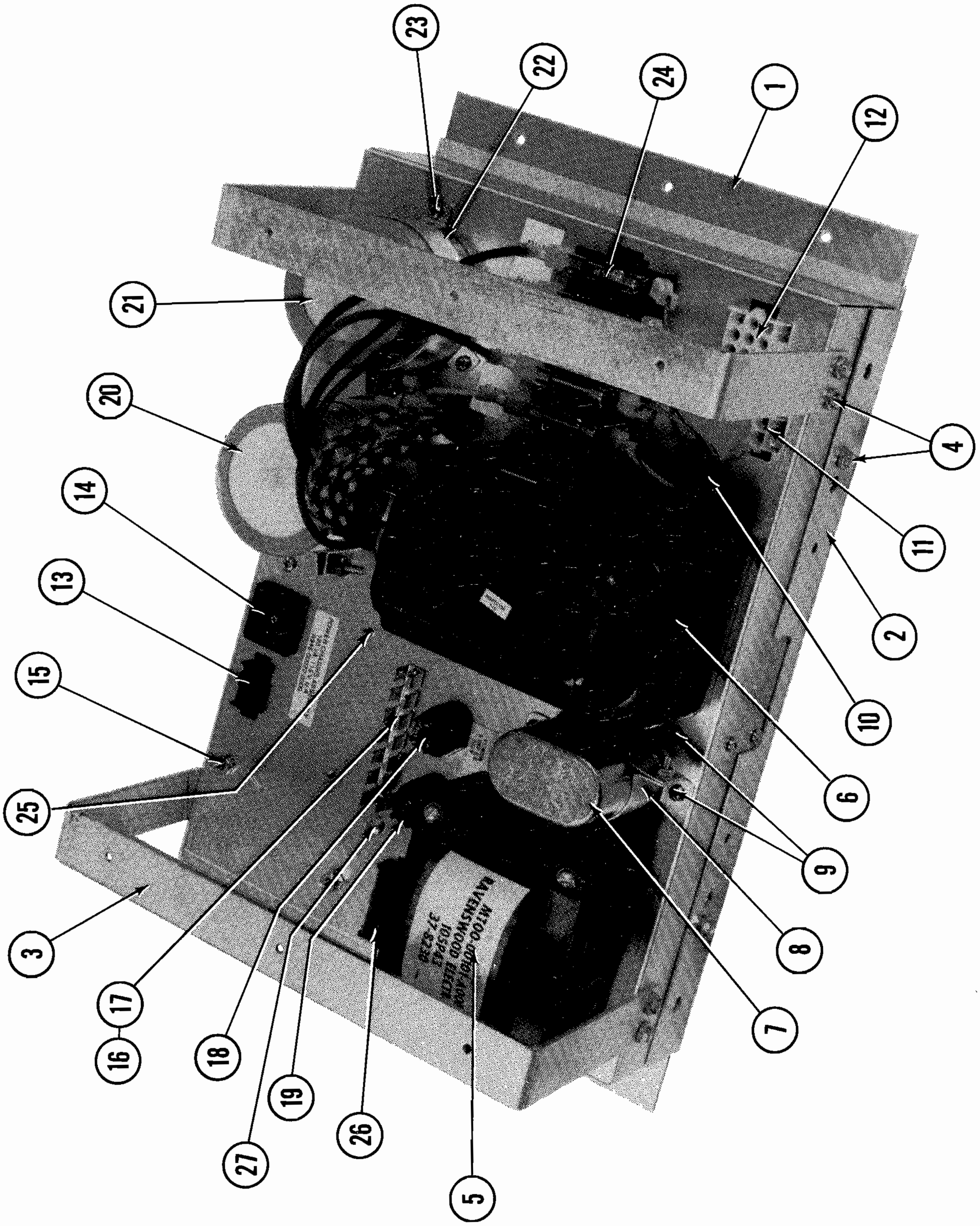


SPY HUNTER - STEERING CONTROL ASSY. - PARTS LIST

ORDER BY PART NUMBER **ONLY**

ITEM	PART NO.	DESCRIPTION
1	A307-00023-0000	BASE & BRACE ASSY.
2	0307-00114-0000	STOP BRKT.
3	0017-00101-0179	#10-32X3/8 PHIL PAN HD. S.M.S. (4 REQ'D)
4	A307-00028-0000	BASE, TUBE & HANDLE ASSY.
5	0017-00032-0130	PUSH BUTTON SWITCH (2 REQ'D)
	0017-00032-0132	MICRO SWITCH (2 REQ'D)
	0307-00909-0000	RED BUTTON (2 REQ'D)
	0307-00123-01XF	SWITCH MTG. BRKT. - RIGHT
	0307-00123-02XF	SWITCH MTG. BRKT. - LEFT
	0307-00908-0000	TRIGGER (2 REQ'D)
6-9		NOT USED
10	A307-00013-0200	GRIP ASSY. - LEFT
11	A307-00013-0100	GRIP ASSY. - RIGHT
12		NOT USED
13	0307-00100-00XF	STEERING WHEEL BASE PLATE
	0017-00032-0129	ILLUMINATED R.P.B. SWITCH
14	0017-00101-0149	#10-32X3/8 BUT. HD. M.S. (2 REQ'D)
	0307-00910-0000	7" BELLOW (MOUNTED ON HANDLE TUBE) (2 REQ'D)
15	0017-00041-0617	RING - NEOPRENE (2 REQ'D)
16	0645-00913-0000	WASHER - FRICTION (2 REQ'D)
17	0645-00905-0000	SHROUD
18	A645-00012-0000	PEDESTAL ASSY.
19	0017-00102-0019	1/4-20X1-1/2 CARRIAGE BOLT (4 REQ'D)
20	0017-00104-0005	¼ - SPLIT LOCK WASHER (4 REQ'D)
21	0017-00103-0019	1/4-20 LOCK NUT (4 REQ'D)
22	A307-00022-0000	STOP PLATE ASSY.
23	0017-00042-0624	SNAP BUSHING - 3/16" (4 REQ'D)
24	105E-00004-0002	POT
25	0307-00708-0000	GEAR
	A307-00032-0000	POT & GEAR ASSY. (ITEMS 24-26)
26	0017-00007-0065	ROLL PIN
27	0017-00101-0658	#10-32X5/8 PHIL PAN HD. M.S. (4 REQ'D)
28	0017-00104-0032	FLAT WASHER (4 REQ'D)
29	0645-00906-0000	BEARING (2 REQ'D)
30	0307-00914-0000	RUBBER BUMPER (2 REQ'D)
31	0017-00100-0031	E-RING - 5/16" (2 REQ'D)
32-36		NOT USED
37	0010-00275-0379	EXTENSION SPRING (2 REQ'D)
38		NOT USED
39	0307-00705-0000	42 TOOTH GEAR
	0307-00113-0000	POT MTG. BRKT.
	A307-00046-0000	PLATE & BEARING ASSY.

— POWER CHASSIS ASSY. — 125VA., 115V.



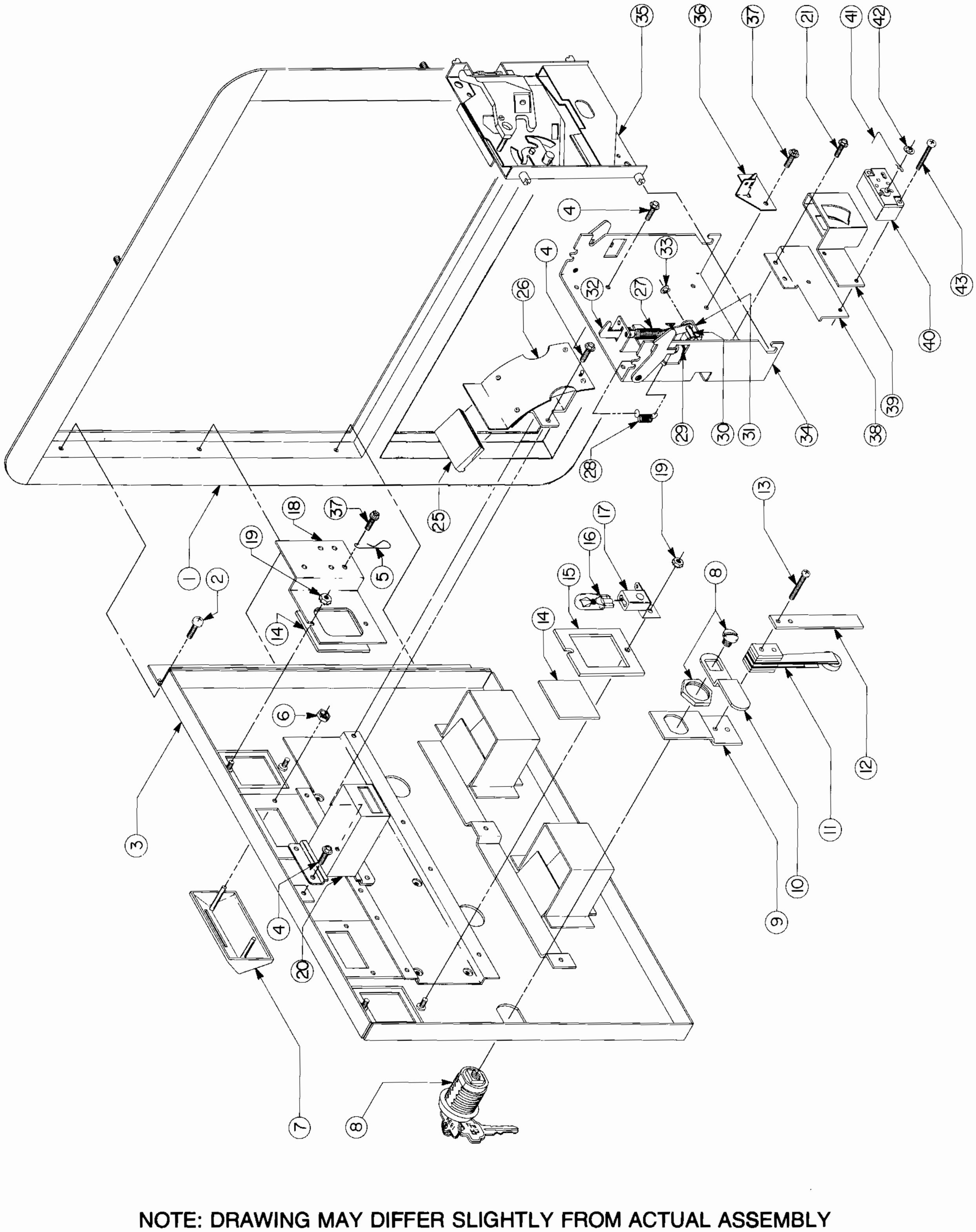
NOTE: DRAWING MAY DIFFER SLIGHTLY FROM ACTUAL ASSEMBLY

POWER CHASSIS ASSY.—125VA., 115V.—PARTS LIST

*ORDER BY PART NUMBER **ONLY***

ITEM	PART NO.	DESCRIPTION
1	A945-00046-00XF	CHASSIS & PARTITION ASSY.
2	A945-00029-0100	MTG. PLATE & BARRIER ASSY.
3	0945-00107-01XF	STRAP (2 REQ'D.)
4	0017-00101-0123	#8 x 1/4 UNSLOT. HEX HD. SCR. (12 REQ'D.)
5	MT00-00101-A000	ISOLATION TRANSFORMER W/O SHIELD ASSY. — 115V., 50/60 HZ.
	0017-00103-0061	#8-32 HEX NUT W/SEMS (4 REQ'D.)
6	MT00-00099-A000	POWER TRANSFORMER ASSY. — 115V., 60 HZ.
	0017-00103-0084	#6-32 HEX NUT W/SEMS (4 REQ'D.)
7	0175-181T4-GXJK	CAPACITOR — 3.5 M.F., 440V.
8	0017-00009-0535	CLAMP
	0017-00101-0565	#6-32 x 7/16 SLT. PAN HD. SCR.
	0017-00103-0084	#6-32 HEX NUT W/SEMS
9	0017-00101-0067	#6 x 3/8 PHIL. PAN HD. SCR. (11 REQ'D.)
10	0945-00902-0000	SNAP BUSHING (3 REQ'D.)
11	0017-00021-0297	2 POSITION CONNECTOR
12	A945-00030-0100	CONNECTOR & CABLE ASSY. #1
13	A945-00030-0200	CONNECTOR & CABLE ASSY. #2
14	A945-00021-0000	CONVENIENCE OUTLET ASSY.
15	0017-00101-0573	#6-32 x 1/2 PHIL. RND. HD. SCR. (2 REQ'D.)
	0017-00103-0084	#6-32 HEX NUT W/SEMS (2 REQ'D.)
	A945-00025-0000	FILTER ASSEMBLY — 125V. — UNDER CHASSIS (NOT SEEN)
16	0017-00021-0510	TERMINAL STRIP
17	0017-00101-0140	#4-40 x 5/16 PHIL. PAN HD. SCR. (2 REQ'D.)
18	0017-00003-0263	SLO-BLO FUSE — 4A., 250V.
19	0017-00003-0005	FUSE — 2A., 250V.
	0017-00003-0444	QUICK CONN. FUSEHOLDER (2 REQ'D.) — FOR ABOVE FUSES
20	0945-00816-1902	CAPACITOR — 100,000 M.F.
21	0945-00816-1901	CAPACITOR — 55,000 M.F.
	0017-00104-0107	#10 FLAT WASHER (4 REQ'D.)
	0017-00103-0081	#10-32 HEX NUT W/SEMS (4 REQ'D.)
22	0017-00009-0422	CLAMP (2 REQ'D.)
	0017-00101-0758	#8-32 x 3/4 PHIL. RND. HD. SCREW (2 REQ'D.)
	0017-00103-0061	#8-32 HEX NUT W/SEMS (2 REQ'D.)
23	0017-00101-0067	#6 x 3/8 PHIL. PAN HD. SCR. (6 REQ'D.)
24	0945-00904-0000	5 POSITION FUSE HOLDER
	0017-00003-0263	SLO-BLO FUSE — 4A., 250V.
	0017-00003-0217	SLO-BLO FUSE — 2.5A., 250V. (2 REQ'D.)
	0017-00003-0007	SLO-BLO FUSE — 3A., 250V. (2 REQ'D.)
	0945-00903-0000	FUSE HOLDER BARRIER
	A945-00022-0000	HEATSINK & DIODE ASSY.
	0017-00101-0067	#6 x 3/8 PHIL. PAN HD. SCR. (2 REQ'D.)
25	0017-00101-0780	#6 x 1/2 PHIL. PAN HD. SCREW (2 REQ'D.)
	0017-00021-0629	5 POSITION TERMINAL STRIP — (UNDER CHASSIS)
	A945-00019-0000	LINE CORD ASSY. — 115V. (NOT SHOWN)
26	A945-00030-0500	CONNECTOR & CABLE ASSY.
27	0017-00101-0660	#10-32 x 3/4 PAN HD. SCREW
	0017-00104-0107	#10 FLAT WASHER
	0017-00103-0081	#10-32 HEX NUT W/SEMS

FRONT DOOR ASSEMBLY - U.S.A. 50¢



NOTE: DRAWING MAY DIFFER SLIGHTLY FROM ACTUAL ASSEMBLY

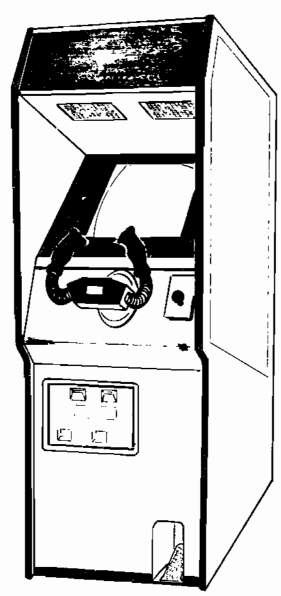
FRONT DOOR ASSEMBLY - U.S.A. 50¢ - PARTS LIST

ORDER BY PART NUMBER **ONLY**

ITEM	PART NO.	DESCRIPTION
1	A090-00603-00XF	DOUBLE ENTRY COIN DOOR FRAME
2	0017-00101-0121	#6-32x5/16 PHIL. TRS. HD. SCR. (3 REQ'D)
3	A090-00073-02BK	DOUBLE ENTRY COIN DOOR W/DRESS PLATE
4	0017-00101-0123	#8x1/4 UNSLOT HEX HD. SCREW (12 REQ'D)
5	0017-00007-0019	KEY HOOK
6	0017-00103-0059	PUSH NUT (4 REQ'D)
7	0090-00912-0000	COIN ENTRY PLATE - 25¢ (2 REQ'D)
8	A097-00005-0000	DOOR LOCK & KEY W/SCREW & NUT (OR)
	A097-00006-0000	DOOR LOCK & KEY W/SCREW & NUT
9	0090-00128-00XF	DOOR TILT SWITCH BRKT.
10	0017-00005-0041	DOOR CAM
11	A090-00095-0000	DOOR TILT SWITCH
12	0090-00126-03XF	SWITCH BACK-UP PLATE
13	0017-00101-0525	#5-40x9/16" PHIL. HD. M.S. (2 REQ'D)
	A090-00096-0000	DOOR TILT SWITCH & BRKT. ASSY. (ITEMS 9 & 11 THRU 13)
14	0090-00903-4800	PLEXI PLATE 2x25 CENT 1 PLAY (2 REQ'D)
15	0090-00143-00XF	COIN PLEX RETAINER
16	0017-00003-0219	12 VOLT LAMP - G.E. #194 (2 REQ'D)
17	0017-00031-0048	WEDGE SOCKET W/BRKT. (2 REQ'D)
18	A090-00100-0000	BRKT. ASSY.
19	0017-00103-0084	#6-32 HEX NUT W/SEMS (4 REQ'D)
20	A090-00089-0000	COIN METER W/DIODE
21	0017-00101-0124	#6x1/4 UNSLOT HEX HD. SCR. (4 REQ'D)
25	0090-00911-0000	INSULATOR (2 REQ'D)
26	A090-00112-0000	COIN CHUTE & INSULATOR ASSY. (2 REQ'D)
27	0010-00134-0000	SPRING
28	0010-00181-0000	SPRING
29	0017-00007-0083	1/8x1-5/8 ROLL PIN
30	0090-00129-00XF	PIVOT POST
31	0090-00167-00XF	PIVOT LEVER
32	0090-00182-00XF	REJECT LEVER
33	0017-00100-0018	E-RING
	A090-00088-0000	REJECT LEVER ASSY. (2 REQ'D) (ITEMS 30 THRU 33)
34	A090-00117-0000	COIN ACCEPTOR FRAME ASSY. (2 REQ'D)
35	0017-00005-0003	COIN ACCEPTOR W/STRING CUTTER (2 REQ'D) (OR)
	0017-00005-0211	COIN ACCEPTOR W/ANTI STRING DEVICE (2 REQ'D) (OR)
	0017-00005-0214	COIN ACCEPTOR W/STRING CUTTER (2 REQ'D)
36	A090-00064-0000	ANTI-PENNY DEVICE
37	0017-00101-0099	#6x1/4 SLT. HEX HD. M.S. (2 REQ'D)
38	0090-00162-00XF	COIN SWITCH MTG. BRKT.
39	0017-00005-0203	COIN SWITCH CHUTE
40	0017-00005-0195	COIN SWITCH
41	0010-00599-0000	COIN SWITCH WIRE
42	0017-00007-0015	PUSH-ON RING
	A090-00059-0400	COIN SWITCH & WIRE ASSY. (ITEMS 40 THRU 42)
43	0017-00101-0147	#4-40x3/4 PHIL. PAN HD. M.S. (2 REQ'D)
	A090-00077-0000	COIN GUIDE & SWITCH ASSY. (ITEMS 38 THRU 43)

SPY HUNTER UPRIGHT PARTS LIST

THAT ARE NOT INTERCHANGEABLE WITH THE SIT DOWN MODEL



Bally

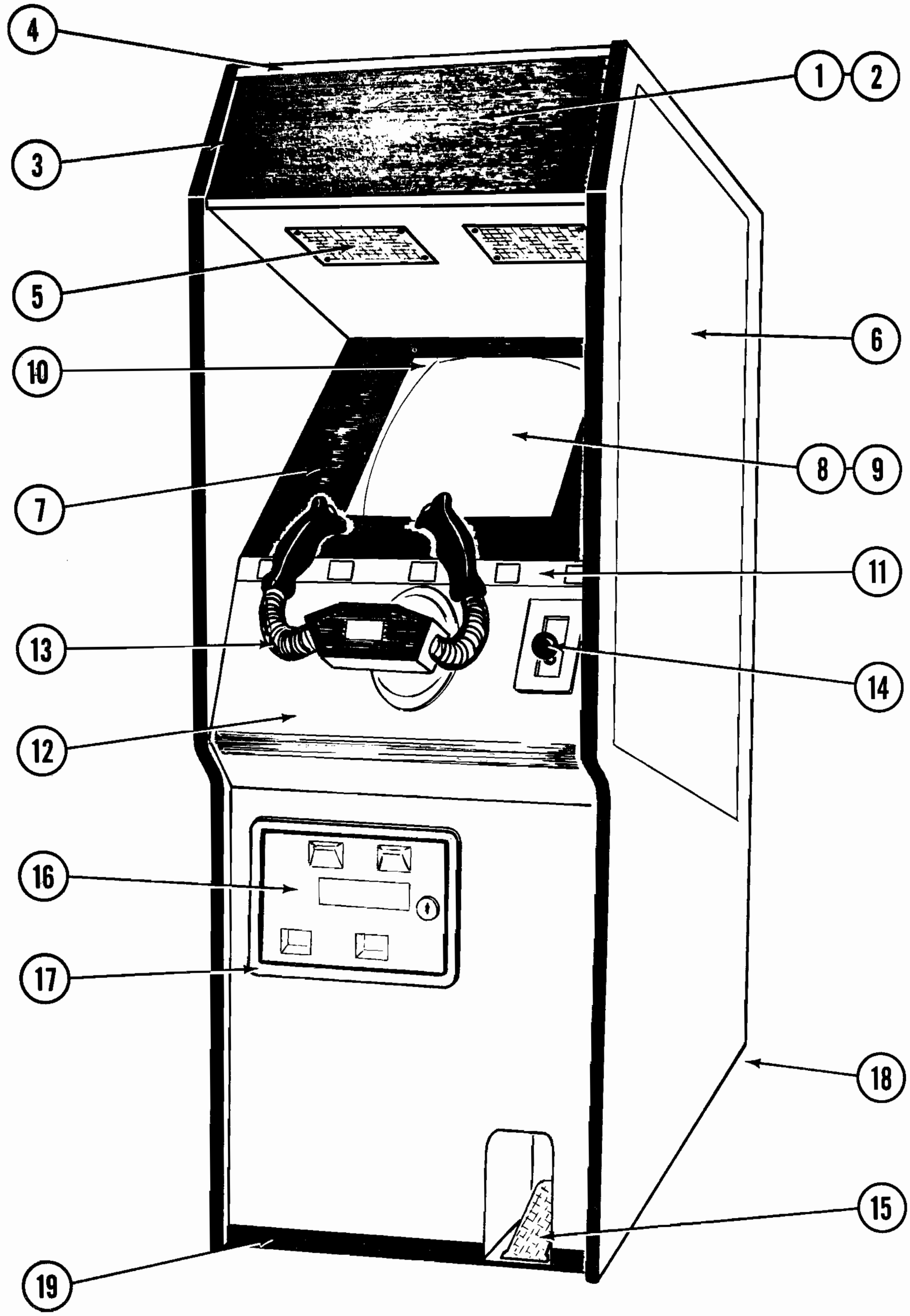
MIDWAY MFG. CO.

10601 W. Belmont Avenue
Franklin Park, Illinois 60131
U.S.A.

Phone: (312) 451-9200 Cable Address: MIDCO Telex No.: 72-1596

M051-00A27-A043

NO. 0A27 - SPY HUNTER UPRIGHT - FRONT



NOTE: DRAWING MAY DIFFER SLIGHTLY FROM ACTUAL ASSEMBLY

NO. 0A27 - SPY HUNTER UPRIGHT - FRONT PARTS LIST

ORDER BY PART NUMBER **ONLY**

ITEM	PART NO.	DESCRIPTION
1	0A27-00900-00XF	HEADER GLASS
2*	A595-00011-0000	HEADER LIGHT ASSY.
3	0537-00903-0052	GLASS CHANNEL - 8-1/2″ LG (2 REQ'D)
4	0574-00903-0100	HEADER RETAINER BRKT. (2 REQ'D)
	0017-00101-0138	#8x5/8 TORX TAMPER PROOF SCREW (10 REQ'D)
	0017-00009-0522	LONG ARM KEY T-20 (FOR ABOVE SCREW)
5	0017-00003-0430	6″x9″ SPEAKER - 4 OHM, 10W. (2 REQ'D)
	Q130-00002-0000	SPEAKER COVER (2 REQ'D)
	0017-00101-0127	#8-32x1-1/2″ CARRIAGE BOLT (8 REQ'D)
	0017-00103-0061	#8-32 HEX NUT W/SEMS (8 REQ'D)
6	0A27-00903-0000	DECAL (2 REQ'D)
7	0A27-00901-00XF	MAIN VIEWING GLASS
8	Q200-00019-0000	19″ COLOR VERTICAL MONITOR
	A353-00023-0000	VERTICAL MONITOR MTG. BRKT. ASSY. (2 REQ'D)
	0555-00901-0000	PLASTIC LOCATING PIN (4 REQ'D)
	0017-00101-0141	#8x11/16 UNSLOT HEX HD. M.S. (8 REQ'D)
9	0314-00902-0000	PLEXI-GLASS
	0508-00901-0000	PLEXI-GLASS MTG PLATE
	0017-00101-0017	#6x1/2 BLACK SLT. HEX HD. SCR. (4 REQ'D)
10	0307-00918-0000	T.V. BEZEL
	0508-00106-0000	BEZEL MTG. BRKT.
11	A307-00044-0000	LIGHT PANEL ASSY.
	0360-00935-0000	SMALL SHADOW BOX (5 REQ'D)
	0017-00003-0219	#194 WEDGE BASE LAMP -14V., .27A. (5 REQ'D)
	0017-00031-0030	WEDGE BASE LAMP SOCKET (5 REQ'D)
12	AA27-00014-0000	CONTROL PLATE & WELD STUDS ASSY.
	0307-00911-0000	DECORATIVE OVERLAY
	0307-00132-0100	CONTROL SHELF MTG. BRKT. - RIGHT
	0307-00132-0200	CONTROL SHELF MTG. BRKT. - LEFT
	0555-00901-0000	PLASTIC LOCATING PINS (4 REQ'D)
	0017-00009-0534	BASSICK CLAMP (2 REQ'D)
	0610-00132-00ZN	STRIKE (2 REQ'D)
	0017-00101-0141	#8x11/16 UNSLOT. HEX HD. SCREW (12 REQ'D)
	0307-00117-00XF	CONTROL SHELF HINGE
	A307-00005-0000	CONTROL SHELF CABLE ASSY.
13*	A307-00042-0000	CONTROL HANDLE ASSY.
14*	A307-00038-0000	GEAR SHIFT ASSY.
15	AA27-00018-0000	ACCELERATOR PEDAL ASSY.
	0A27-00105-00XF	ACCELERATOR BASE (FLOOR PLATE)
	0A27-00104-00XF	ACCELERATOR BOX COVER (WALL PLATE)
16	A982-00014-0000	COIN DOOR & CABLE ASSY. - U.S.A. 25¢
	A950-00004-0000	COIN BOX COVER
	A950-00006-0100	WIRE COIN BOX CRADLE ASSY.
	0950-00105-0000	COIN BOX COVER
	0950-00104-0000	COIN BOX HANDLE
	0950-00101-0000	COIN DEFLECTOR (2 REQ'D)
	0950-00900-0000	LARGE PLASTIC COIN BOX
	0950-00103-0000	COIN BOX DIVIDER - OPTIONAL

***SEE SIT DOWN CATALOG FOR ILLUSTRATED PARTS BREAK DOWN**

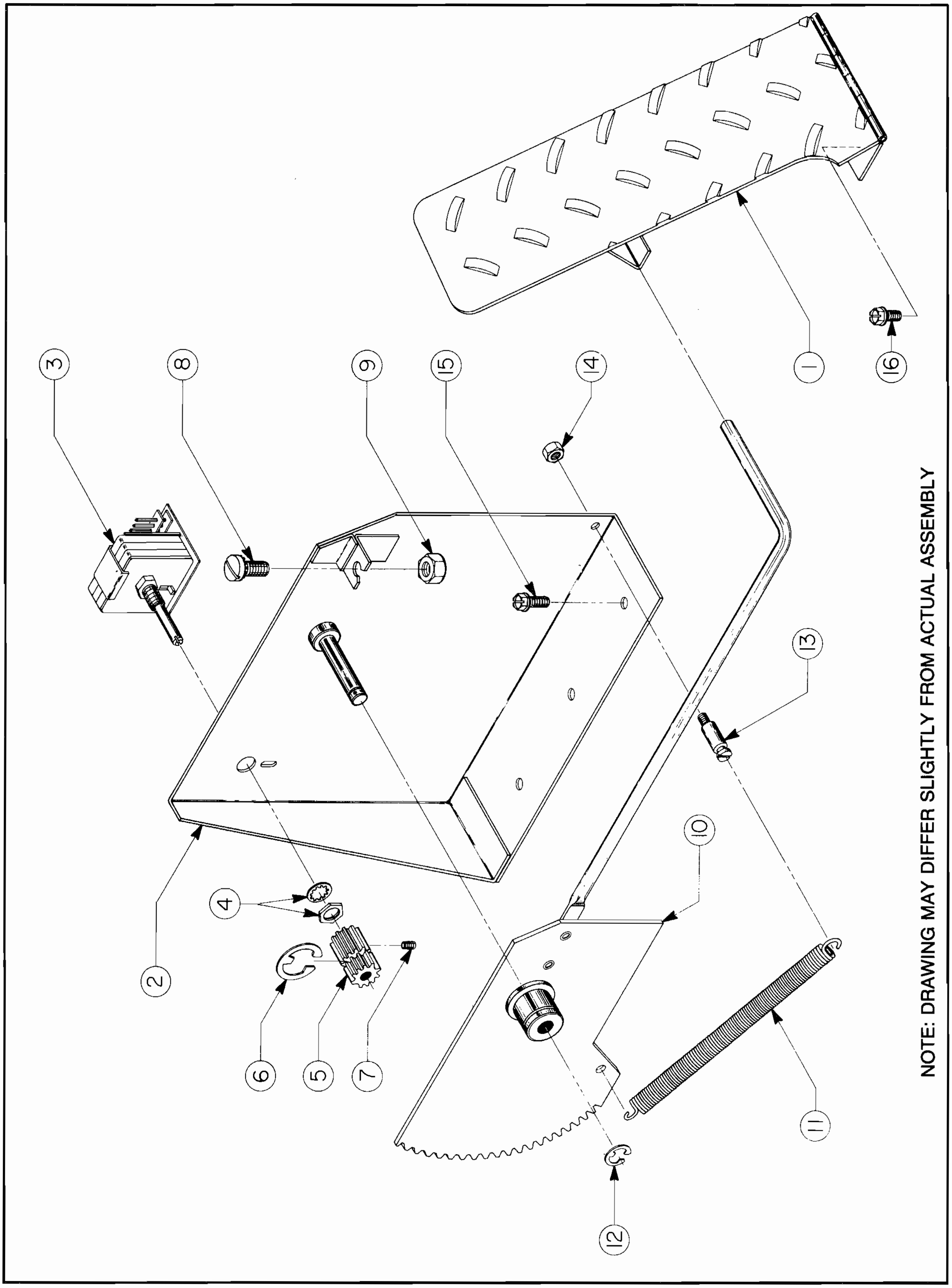
NO. 0A27 - SPY HUNTER UPRIGHT - FRONT PARTS LIST

ORDER BY PART NUMBER **ONLY**

ITEM	PART NO.	DESCRIPTION
16	0017-00101-0142	1/4-20x1-3/8 BLACK RND. HD. BOLT (4 REQ'D)
	0017-00104-0014	7/8″ DISH WASHER (4 REQ'D)
	0017-00103-0000	1/4-20 HEX NUT (4 REQ'D)
17	0090-00002-04BK	LARGE COIN DOOR FRAME
	0017-00101-0121	#6-32x5/16 PHIL. TRS. HD. SCR. (3 REQ'D)
18	0017-00102-0048	3/8-16x2″ LEG LEVELERS (4 REQ'D)
	0017-00103-0026	3/8-16 LEG LEVELER HEX NUTS (4 REQ'D)
19	0A27-00108-00XF	BOTTOM TRIM PLATE
	0017-00101-0138	#8x5/8 TORX TAMPER PROOF SCREW (5 REQ'D)
	0017-00101-0179	#10-32x3/8 TORX PHIL. PAN HD. SCREW (2 REQ'D)
		ADDITIONAL PARTS LIST
	AA27-00012-0000	CARD RACK SUPPORT BRKT. ASSY.
	AA27-00007-0000	CARD RACK ASSY. W/BOARDS
	A084-90913-AA27	SOUND I/O P.C. BOARD ASSY.
	A307-00025-0000	SHIELD & BARRIER ASSY.
	0017-00101-0339	#6-32x3/8 PHIL. RND. SCREW (4 REQ'D)
	A084-91442-AA27	C.P.U. MCR-3 P.C. BRD. ASSY.
	A307-00026-0000	SHIELD ASSY. - INNER
	A084-91433-AA27	VIDEO GEN. MCR-3 P.C. BRD. ASSY.
	A307-00027-0000	SHIELD ASSY. - OUTER
	0017-00101-0153	#6-31x1″ PHIL. RND. HD. SCREW (8 REQ'D)
	A088-00016-0000	INTERLOCK SWITCH & SPRING BRKT. ASSY.
	0303-00904-0000	INTERLOCK SWITCH COVER
	A945-00038-0000	ON-OFF SWITCH & PLATE ASSY.
	A307-00034-0000	MULTIFUNCTION SWITCH/BRKT. ASSY.
*	A945-00020-0000	POWER CHASSIS ASSY. -125VA., 115V
	A945-00019-0000	LINE CORD ASSY. -115V
	A084-91648-A000	DUAL POWER AMP W/MIXER ASSY.
	A307-00047-0000	ABSOLUTE POSITION BRD. W/SPACER ASSY.
	A307-00048-0000	LAMP DIVER P.C.B. W/ SPACER ASSY.
	A307-00049-0000	CHEAP SQUEAK & SPACER P.C. ASSY.
	A084-90412-D000	POWER SUPPLY -1.25VA
	0624-00902-0100	P.C. SUPPORT BRKT. - 12″ LG. (2 REQ'D)
	0624-00902-0500	P.C. SUPPORT BRKT. - 6-1/2″ LG. (2 REQ'D)
	0017-00101-0141	#8x11/16 UNSLOT HEX HD. SCREW (10 REQ'D)
	0017-00104-0037	#8 FLAT WASHER (10 REQ'D)
	0894-00916-0000	PLASTIC PULL & VENT (2 REQ'D)
	0017-00101-0141	#8x11/16 UNSLOT HEX HD. SCREW (8 REQ'D)
	A961-00007-0000	CASTER ASSY.
	0017-00005-0201	BACK DOOR LOCK & KEY
	0017-00009-0490	5-5/8″ SQR. VENT GRILLE (4 REQ'D)

***SEE SIT DOWN CATALOG FOR ILLUSTRATED PARTS BREAK DOWN**

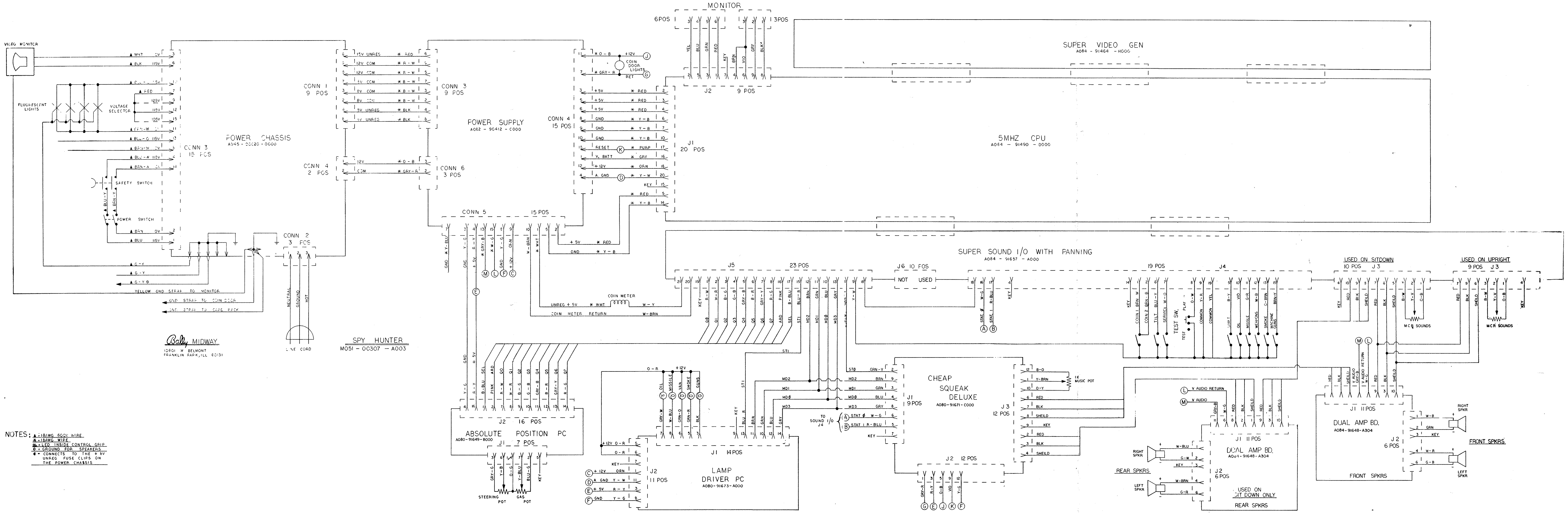
NO. 0A27 - SPY HUNTER UPRIGHT - ACCELERATOR PEDAL ASSY.



NO. 0A27 - SPY HUNTER UPRIGHT - ACCELERATOR PEDAL ASSY. - PARTS LIST

ORDER BY PART NUMBER **ONLY**

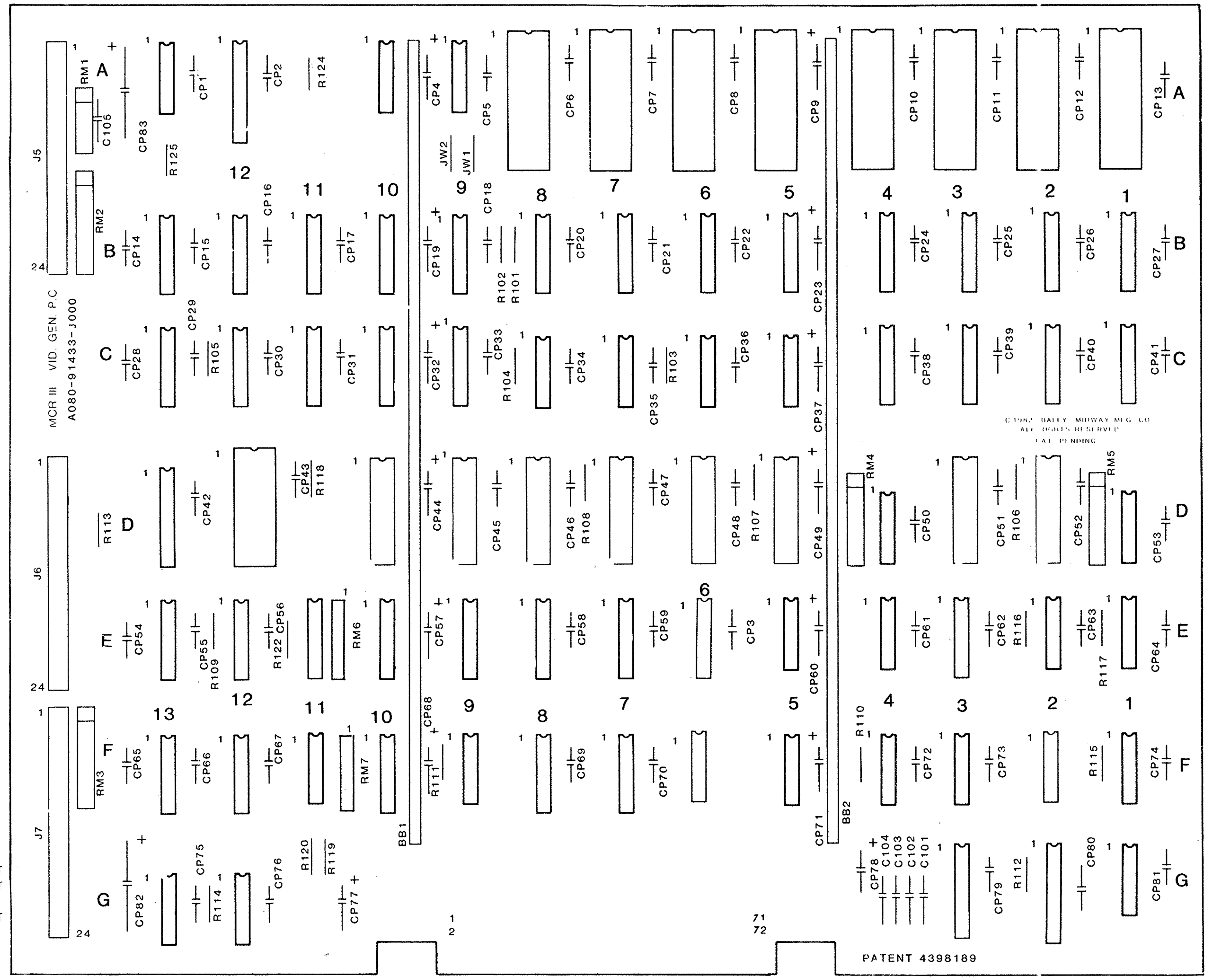
ITEM	PART NO.	DESCRIPTION
1	AA27-00019-0000	ACCELERATOR PEDAL & HINGE ASSY.
2	AA27-00015-0000	STUD & ACCEL. STOP BRKT. ASSY.
3	105E-00004-0002	POT
4		NOT USED
5	0A27-00701-00XF	GEAR - 16/32
	AA27-00017-0000	POT & GEAR ASSY. (ITEMS 3 & 5)
6	0017-00100-0031	5/16″ E-RING
7		NOT USED
8	0017-00102-0002	1/4-20x1/2 SLT. HEX HD. M.S.
9	0653-00734-0000	STOP - POT LIMIT
10	AA27-00016-0000	ACCELERATOR LEVER & GEAR ASSY.
11	0010-00280-0000	ACCEL. PEDAL SPRING
12	0017-00100-0122	1/4″ E-RING
13	0307-00703-00XF	PIVOT POST
14	0017-00103-0081	#10-32 HEX NUT W/SEMS
15 & 16	0017-00101-0598	#8-32x5/16 SLT.HEX HD. M.S. (11 REQ'D)
		ADDITIONAL PARTS LIST
	0A27-00105-00XF	ACCELERATOR BASE (FLOOR PLATE)
	0A27-00104-00XF	ACCELERATOR BOX COVER (WALL PLATE)
	0A27-00107-00XF	ACCELERATOR LEVER STOP PLATE
	0921-00700-0000	PLASTIC ACTUATOR (GEAR & LEVER ASSY. - SHAFT)


MONITOR
6 POS
13 POS
SUPER VIDEO GEN
J2 9 POS
VIDEO MONITOR
FLUORESCENT LIGHTS
VOLTAGE SELECTOR
POWER CHASSIS
CONN 3 15 POS
SAFETY SWITCH
POWER SWITCH
CONN 1 9 POS
CONN 4 2 POS
CONN 3 9 POS
POWER SUPPLY
CONN 6 3 POS
CONN 4 15 POS
CONN 2 3 POS
CONN 5 15 POS
COIN DOOR LIGHTS
J1 20 POS
5MHZ CPU
YELLOW GND STRAP TO MONITOR
LINE CORD
COIN METER
COIN METER RETURN
SUPER SOUND I/O WITH FANNING
J5 23 POS
J6 10 POS
NOT USED
J4 19 POS
TEST SW.
USED ON SITDOWN 10 POS J3
USED ON UPRIGHT 9 POS J3
SPY HUNTER
M051 - 00307 - A003
J2 16 POS
ABSOLUTE POSITION PC
J1 7 POS
STEERING POT
GAS POT
J1 14 POS
J2 11 POS
LAMP DRIVER PC
CHEAP SQUEAK DELUXE
J1 9 POS
J3 12 POS
J2 12 POS
TO SOUND I/O J4
DUAL AMP BD.
J1 11 POS
J2 6 POS
USED ON SIT DOWN ONLY
REAR SPKRS
RIGHT SPKR
LEFT SPKR
FRONT SPKRS
NOTES:

DESIGNATION LIST

DESIGNATION NO.	DESCRIPTION
C101-C104	CAP 100 PF AX CER
C105	CAP .01 MF AX CER
CP1-CP3	.01 MF AX CER
CP4	10 MF 25V AX TANT
CP5-CP8	.01 MF AX CER
CP9	10 MF 25V AX TANT
CP10-CP18	.01 MF AX CER
CP19	10 MF 25V AX TANT
CP20-CP22	.01 MF AX CER
CP23	10 MF 25V AX TANT
CP24-CP31	.01 MF AX CER
CP32	10 MF 25V AX TANT
CP33-CP36	.01 MF AX CER
CP37	10 MF 25V AX TANT
CP38-CP43	.01 MF AX CER
CP44	10 MF 25V AX TANT
CP45-CP48	.01 MF AX CER
CP49	10 MF 25V AX TANT
CP50-CP56	.01 MF AX CER
CP57	10 MF 25V AX TANT
CP58,CP59	.01 MF AX CER
CP60	10 MF 25V AX TANT
CP61-CP67	.01 MF AX CER
CP68	10 MF 25V AX TANT
CP69,CP70	.01 MF AX CER
CP71	10 MF 25V AX TANT
CP72-CP76	.01 MF AX CER
CP77,CP78	10 MF 25V AX TANT
CP79-CP81	.01 MF AX CER
CP82,CP83	100 MF AX ELECT
R101-R118	1K OHM 1/4W
R119,R120	560 OHM 1/4W
R122,R124	1K OHM 1/4W
R125	100 OHM 1/4W
RM1	1K 6 PIN SIP
RM2,RM3	1K 10 PIN SIP
RM4,RM5	1K 9 PIN SIP
RM6,RM7	82 OHM 8 PIN SIP
1A	EPROM VG-A
2A	EPROM VG-B
3A	EPROM VG-C
4A	EPROM VG-D
5A	EPROM VG-E
6A	EPROM VG-F
7A	EPROM VG-G
8A	EPROM VG-H
9A	74LS86
10A	74LS86
12A	74LS273
13A	74S04
1B	74LS194
2B	74LS194
3B	74LS194
4B	74LS194
5B	74LS194
6B	74LS194
7B	74LS194
8B	74LS194
9B	74LS161
10B	74LS174
11B	74LS174
12B	74S283
13B	74S283
1C	74LS258
2C	74LS258
3C	74LS258

DESIGNATION NO.	DESCRIPTION
4C	74LS258
5C	74LS00
6C	74LS04
7C	74LS74
8C	74LS30
9C	74LS169
10C	74LS169
11C	74LS169
12C	74LS169
13C	74S133
1D	7420
2D	93422
3D	93422
4D	7420
5D	93422
6D	93422
7D	93422
8D	93422
9D	93422
10D	93422
12D	STAT RAM
13D	74LS245
1E	74LS74
2E	74LS74
3E	74S157
4E	74S00
5E	74LS32
6E	74LS174
7E	74LS283
8E	74LS175
9E	74LS157
10E	74LS157
11E	74S161
12E	74LS157
13E	74LS157
1F	74S74
2F	74S86
3F	74S08
4F	74LS30
5F	74LS30
6F	7420
7F	74LS283
8F	74LS174
9F	74LS10
10F	74LS157
11F	74S04
12F	74LS157
13F	74LS157
1G	74LS32
2G	74LS273
3G	74LS240
12G	7420
13G	74LS74
ICS 1A-8A	28 PIN IC SOCKET
ICS 2D,3D,5D-10D	22 PIN IC SOCKET
ICS 12D	24 PIN IC SOCKET
J5-J7	KK 100 24 PIN RT ANGLE
JW1,JW2	JUMPER WIRE
BB1,BB2	BUSS BAR



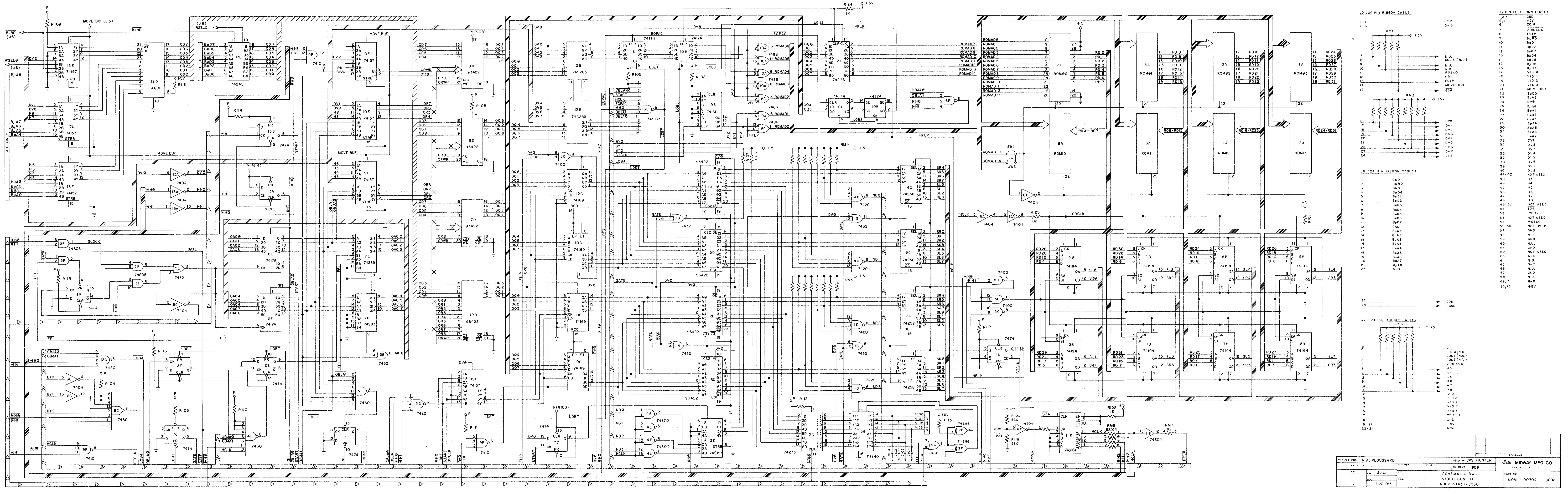
CROSS REFERENCE LIST

DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.
.01 MF AX CER	68	CP1-CP3,CP5-CP8, CP10-CP18,CP20-CP22,CP24-CP31, CP33-CP36,CP38-CP43,CP45-CP48, CP50-CP56,CP58, CP59,CP61-CP67, CP69,CP70,CP72-CP76,CP79-CP81, C105	0986-00800-2500
10 MF 25V AX TANT	14	CP4,CP9,CP19, CP23,CP32,CP37, CP44,CP49,CP57, CP60,CP68,CP71, CP77,CP78	0986-00800-2400
CAP 100 MF	2	CP82,CP83	0986-00800-1800
CAP 100 PF	4	C101-C104	0986-00800-1000
100 OHM RES	1	R125	100E-00005-0033
560 OHM RES	2	R119,R120	100E-00005-0054
1K OHM RES	20	R101-R118,R122, R124	100E-00005-0061
82 OHM 8 PIN SIP	2	RM6,RM7	102E-00004-0035
1K OHM 6 PIN SIP	1	RM1	102E-00004-0009
1K OHM 9 PIN SIP	2	RM4,RM5	102E-00004-0011
1K OHM 10 PIN SIP	2	RM2,RM3	102E-00004-0013
74LS00	1	5C	0304-00803-0009
74S00	1	4E	0304-00803-0045
74LS04	1	6C	0986-00803-1007
74S04	2	13A,11F	0986-00803-3100
74S08	1	3F	0304-00803-0037
74LS10	1	9F	0304-00803-0008
7420	4	1D,4D,6F,12G	0304-00803-0006
74LS30	3	8C,4F,5F	0304-00803-0016
74LS32	2	5E,1G	0986-00803-0600
74LS74	4	7C,1E,2E,13G	0986-00803-1005
74S74	1	1F	0986-00803-1500
74LS86	2	9A,10A	0986-00803-4200
74S86	1	2F	0304-00803-0049
74S133	1	13C	0304-00803-0002
74LS157	7	9E,10E,12E,13E, 10F,12F,13F	0986-00803-2400
74S157	1	3E	0304-00803-0044
74LS161	1	9B	0986-00803-1003
74S161	1	11E	0304-00803-0038
74LS169	4	9C-12C	0304-00803-0001
74LS174	4	10B,11B,6E,8F	0986-00803-9800
74LS175	1	8E	0304-00803-0007
74LS194	8	1B-8B	0986-00803-2900
74LS240	1	3G	0304-00803-0050
74LS245	1	13D	0986-00803-3000
74LS258	4	1C-4C	0304-00803-0004
74LS273	2	12A,2G	0986-00803-3800
74LS283	2	7E,7F	0986-00803-3900
74S283	2	12B,13B	0304-00803-0039
EPROM VG-A	1	8A	0A27-00803-0016
EPROM VG-B	1	7A	0A27-00803-0017
EPROM VG-C	1	6A	0A27-00803-0018
EPROM VG-D	1	5A	0A27-00803-0019
EPROM VG-E	1	4A	0A27-00803-0020
EPROM VG-F	1	3A	0A27-00803-0021
EPROM VG-G	1	2A	0A27-00803-0022
EPROM VG-H	1	1A	0A27-00803-0023

DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.
STAT RAM	1	12D	0304-00803-0034
93422	8	2D,3D,5D-10D	0986-00803-1010
22 PIN IC SOCKET	8	ICS 2D,3D,5D-10D	0986-00804-0700
24 PIN IC SOCKET	1	ICS 12D	0986-00804-1600
28 PIN IC SOCKET	8	ICS 1A-8A	0986-00804-0300
KK 100 24 PIN RT ANGLE	3	J5-J7	0986-00804-4700
JUMPER WIRE	2	JW1,JW2	0986-00805-0200
BUSS BAR	2	BB1,BB2	0986-00804-0900

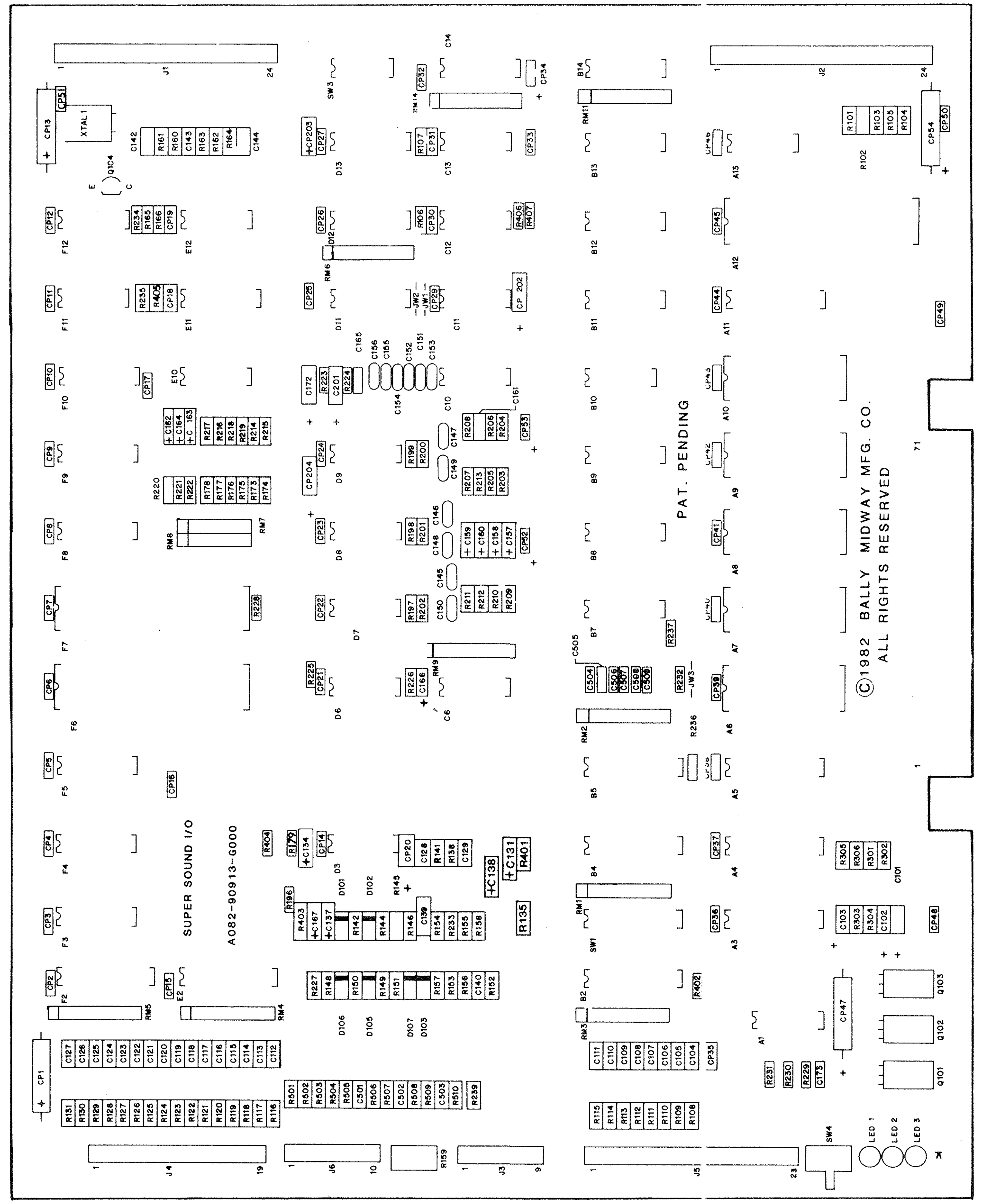
REVISIONS

PROJECT ENG: R.A. PLOUSSARD	USED ON SPY HUNTER	Bally / MIDWAY MFG. CO. FRANKLIN PK. ILL.
DO NOT SCALE DWG. / HEAT TREAT / SCALE FULL	NO. REQ'D 1 PER	
DIM. TOLERANCES UNLESS SPECIFIED — CONCENTRICITY T.I.R. .00_ / FRACTIONAL ± 1/64 / DECIMAL ± .005 / HOLE DIA +.002 .000 — DRN. RLW / CKD. / DATE 10/31/83 / MAT'L. / FINISH	MCR III VIDEO GEN. P.C. ASSEMBLY DWG. A080-91433-J000	PART NO. M051 - 00304 - J001


PROJECT ENG R.A. PLOUSSARD
USED ON SPY HUNTER
NO REQ'D 1 PER
Bally MIDWAY MFG. CO.
REVISIONS
DRN RLW
DATE 11/01/83
SCHEMATIC DWG.
VIDEO GEN. III
A082-91433-J000
PART NO
M051-00304-J002

DESIGNATION LIST

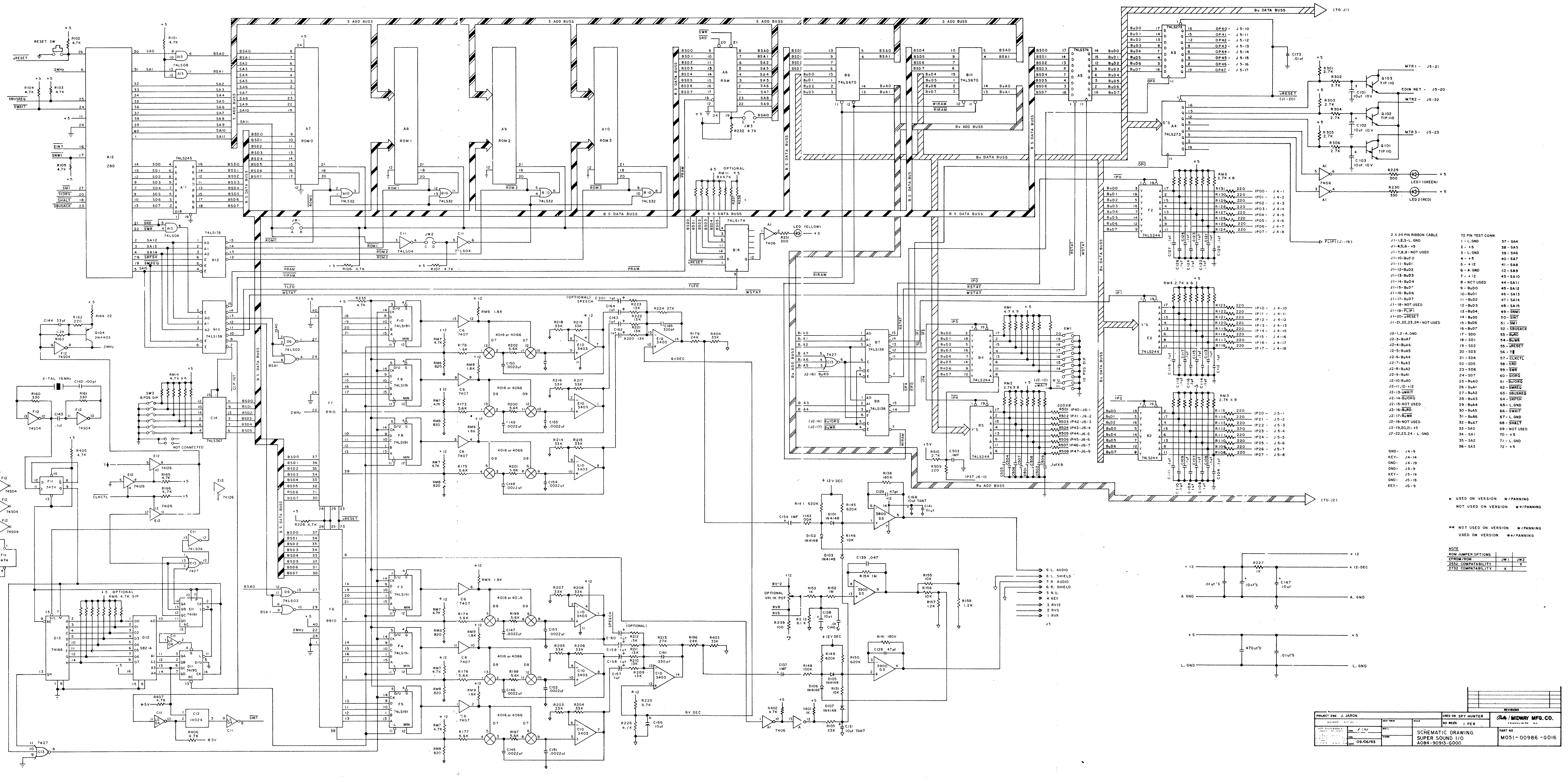
DESIGNATION NO.	DESCRIPTION
C101-C103	10 MF 25V AX. TANT.
C104-C127	.1 MF 50V AX. CER.
C128,C129	47 PF 50V AX. CER.
C131	10 MF 25V AX. TANT.
C134-C137	1 MF 20V AX. TANT.
C138	10 MF 25V AX. TANT.
C139	.047 MF 100V MYLAR
C140	.01 MF 50V AX. CER.
C142	100 PF 50V AX. CER.
C143	.1 MF 50V AX. CER.
C144	33 PF 50V AX. CER.
C145-C156	.0022 MF 100V 10% MYLAR
C157-C159	1 MF 20V AX. TANT.
C161	330 PF 50V AX. CER.
C162-C164	1 MF 20V AX. TANT.
C165	330 PF 50V AX. CER.
C166,C167	10 MF 25V AX. TANT.
C172	10 MF 25V AX. TANT.
C173	.01 MF 50V AX. CER.
C501-C509	.1 MF 50V AX. CER.
CP1	470 MF 16V AX. ELECT.
CP2-CP12	.01 MF 50V AX. CER.
CP13	470 MF 16V AX. ELECT.
CP14-CP19	.01 MF 50V AX. CER.
CP20	10 MF 25V AX. TANT.
CP21-CP27	.01 MF 50V AX. CER.
CP29-CP33	.01 MF 50V AX. CER.
CP34	10 MF 25V AX. TANT.
CP35-CP46	.01 MF 50V AX. CER.
CP47	470 MF 16V AX. ELECT.
CP48-CP51	.01 MF 50V AX. CER.
CP52,CP53	10 MF 25V AX. TANT.
CP54	470 MF 16V AX. ELECT.
CP202-CP204	10 MF 25V AX. TANT.
R101-R107	4.7K OHM 1/4W 5% CRBN.
R108-R131	220 OHM 1/4W 5% CRBN.
R135	33K OHM 1/4W 5% CRBN.
R138,R141	180K OHM 1/4W 5% CRBN.
R142	100K OHM 1/4W 5% CRBN.
R144,R145	620K OHM 1/4W 5% CRBN.
R146	10K OHM 1/4W 5% CRBN.
R148	100K OHM 1/4W 5% CRBN.
R149,R150	620K OHM 1/4W 5% CRBN.
R151	10K OHM 1/4W 5% CRBN.
R152	1MEG. OHM 1/4W 5% CRBN.
R153	1K OHM 1/4W 5% CRBN.
R154	1MEG. OHM 1/4W 5% CRBN.
R155,R156	10K OHM 1/4W 5% CRBN.
R157,R158	1.2K OHM 1/4W 5% CRBN.
R160,R161	330 OHM 1/4W 5% CRBN.
R162	220 OHM 1/4W 5% CRBN.
R163	1.2K OHM 1/4W 5% CRBN.
R164	22 OHM 1/4W 5% CRBN.
R165,R166	4.7K OHM 1/4W 5% CRBN.
R173-R178	5.6K OHM 1/4W 5% CRBN.
R179	24K OHM 1/4W 5% CRBN.
R196	24K OHM 1/4W 5% CRBN.
R197-R202	5.6K OHM 1/4W 5% CRBN.
R203-R208	33K OHM 1/4W 5% CRBN.
R209-R211	13K OHM 1/4W 5% CRBN.
R213	27K OHM 1/4W 5% CRBN.
R214-R219	33K OHM 1/4W 5% CRBN.
R220-R222	13K OHM 1/4W 5% CRBN.
R224	27K OHM 1/4W 5% CRBN.
R225,R226	4.7K OHM 1/4W 5% CRBN.
R227	1K OHM 1/4W 5% CRBN.
R228	4.7K OHM 1/4W 5% CRBN.
R231	300 OHM 1/4W 5% CRBN.
R232	4.7K OHM 1/4W 5% CRBN.
R233	3K OHM 1/4W 5% CRBN.
R234,R235	4.7K OHM 1/4W 5% CRBN.
R239	100 OHM 1/4W 5% CRBN.
R301-R306	2.7K OHM 1/4W 5% CRBN.
R401	1K OHM 1/4W 5% CRBN.
R402	4.7K OHM 1/4W 5% CRBN.
R403,R404	33K OHM 1/4W 5% CRBN.
R405-R407	4.7K OHM 1/4W 5% CRBN.
R501-R509	220 OHM 1/4W 5% CRBN.
R510	2.7K OHM 1/4W 5% CRBN.
RM1	4.7K OHM 10 PIN S.I.P.
RM2-RM5	2.7K OHM 10 PIN S.I.P.
RM7	4.7K OHM 8 PIN S.I.P.
RM8	820 OHM 8 PIN S.I.P.
RM9	1.8K OHM 10 PIN S.I.P.
RM14	4.7K OHM 10 PIN S.I.P.
D101-D103	1N4148
D105-D107	1N4148
Q101-Q103	T1P110
Q104	2N4403
IC1A	7406
IC3A,4A	74LS273
IC5A	74LS374
IC6A	1K X 8 RAM
IC7A	ROM/EPROM 0
IC8A	ROM/EPROM 1
IC9A	ROM/EPROM 2
IC10A	ROM/EPROM 3
IC11A	74LS245
IC12A	Z-80 CPU
IC13A	74LS08
IC2B,4B,5B	74LS244
IC7B,8B	74LS138
IC9B	74LS670
IC10B	74LS32
IC11B	74LS670
IC12B,13B	74LS138
IC14B	74LS174
IC6C	7407
IC10C	MC3403
IC11C	74LS04
IC12C	MC14024
IC13C	7427
IC14C	74LS367
IC3D	LM3900
IC6D	74LS02
IC7D-9D	MC14016
IC11D	74190
IC12D	PROMSB2A
IC13D	74166
IC2E	74LS244
IC10E	MC3403
IC11E	74161
IC12E	74126
IC2F	74LS244
IC3F-5F	74LS191
IC6F,7F	AY-3-8910
IC8F-10F	74LS191
IC11F	7474
IC12F	74S04
ICS6A-ICS10A	24 PIN IC SOCKET
ICS12A	40 PIN IC SOCKET
ICS12D	16 PIN IC SOCKET
ICS6F,7F	40 PIN IC SOCKET
J1,J2	24 PIN KK100 RT. ANGLE
J3	9 PIN KK100 RT. ANGLE OMIT 4
J4	19 PIN KK100 RT. ANGLE OMIT 14
J5	23 PIN KK100 RT. ANGLE OMIT 19
J6	10 PIN KK100 RT. ANGLE OMIT 8
JW1,JW2	JUMPER WIRE
LED 3	YELLOW LED
SW1	10 POSITION DIP
SW3	8 POSITION DIP
SW4	PUSHBUTTON S.W.
XTAL 1	16 MHZ XTAL
MHQ101-MHQ103	SNAP
A080-90913-G000	SUPER SND. I/O BD.



CROSS REFERENCE LIST

DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.
33 PF 50V 5% AX. CER.	1	C144	0986-00800-0300
47 PF 50V AX. CER.	2	C128,C129	0986-00800-2800
100 PF 50V 5% AX. CER.	1	C142	0986-00800-1000
330 PF 50V AX. CER.	2	C161,C165	0986-00800-1300
.0022 MF 100V 10% MYLAR	12	C145-C156	0986-00800-1200
.047 MF 100V MYLAR	1	C139	0986-00800-2600
.01 MF 50V AX. CER.	47	CP2-CP12,CP14-CP19,CP21-CP27,CP29-CP33,CP35-CP46,CP48-CP51,C140,C173	0986-00800-2000
.1 MF 50V AX. CER.	34	C104-C127,C143,C501-C509	0986-00800-1100
1 MF 20V AX. TANT.	8	C134,C137,C157-C159,C162-C164	0986-00800-1400
10 MF 25V AX. TANT.	15	CP20,CP34,CP52,CP53,CP202-CP204 C101-C103,C131,C138,C166,C167,C172	0986-00800-0700
470 MF 16V AX. ELECT.	4	CP1,CP13,CP47,CP54	0986-00800-2700
22 OHM 1/4W 5% CRBN.	1	R164	0062-063B3-1XXX
100 OHM 1/4W 5% CRBN.	1	R239	0062-110B3-1XXX
220 OHM 1/4W 5% CRBN.	34	R108-R131,R162,R501-R509	0062-133B3-1XXX
300 OHM 1/4W 5% CRBN.	1	R231	0062-141B3-1XXX
330 OHM 1/4W 5% CRBN.	2	R160,R161	0062-144B3-1XXX
1K OHM 1/4W 5% CRBN.	3	R153,R227,R401	0062-179B3-1XXX
1.2K OHM 1/4W 5% CRBN.	3	R157,R158,R163	0062-183B3-1XXX
2.7K OHM 1/4W 5% CRBN.	7	R301-R306,R510	0062-199B3-1XXX
3K OHM 1/4W 5% CRBN.	1	R233	0062-201B3-1XXX
4.7K OHM 1/4W 5% CRBN.	19	R101-R107,R165,R166,R225,R226,R228,R232,R234,R235,R402,R405-R407	0062-211B3-1XXX
5.6K OHM 1/4W 5% CRBN.	12	R173-R178,R197-R202	0062-215B3-1XXX
10K OHM 1/4W 5% CRBN.	4	R146,R151,R155,R156	0062-227B3-1XXX
13K OHM 1/4W 5% CRBN.	6	R209-R211,R220-R222	0062-233B3-1XXX
24K OHM 1/4W 5% CRBN.	2	R179,R196	0062-245B3-1XXX
27K OHM 1/4W 5% CRBN.	2	R213,R224	0062-247B3-1XXX
33K OHM 1/4W 5% CRBN.	15	R135,R203-R208,R214-R219,R403,R404	0062-251B3-1XXX
100K OHM 1/4W 5% CRBN.	2	R142,R148	0062-275B3-1XXX
180K OHM 1/4W 5% CRBN.	2	R138,R141	0062-287B3-1XXX
620K OHM 1/4W 5% CRBN.	4	R144,R145,R149,R150	0062-313B3-1XXX
1 MEG. OHM 1/4W 5% CRBN.	2	R152,R154	0062-323B3-1XXX
820 OHM 8 PIN S.I.P.	1	RM8	0986-00805-0800
1.8K OHM 10 PIN S.I.P.	1	RM9	0986-00805-0600
2.7K OHM 10 PIN S.I.P.	4	RM2-RM5	0986-00805-0500
4.7K OHM 8 PIN S.I.P.	1	RM7	0986-00805-0400
4.7K OHM 10 PIN S.I.P.	2	RM1,RM14	0986-00805-0300
1N4148	6	D101-D103,D105-D107	0986-00801-0200
2N4403	1	Q104	0986-00802-0500
T1P110	3	Q101-Q103	0986-00802-0400
74LS02	1	IC 6D	0986-00803-7400
74LS04	1	IC 11C	0986-00803-6900
74S04	1	IC 12F	0986-00803-6600
7406	1	IC 1A	0986-00803-7600
7407	1	IC 6C	0986-00803-5900
74LS08	1	IC 13A	0986-00803-7300
7427	1	IC 13C	0986-00803-7200
74LS32	1	IC 10B	0986-00803-6100
7474	1	IC 11F	0986-00803-6700
74126	1	IC 12E	0986-00803-6800
74LS138	4	IC7B,8B,12B,13B	0986-00803-6500
74161	1	IC 11E	0986-00803-5100
74166	1	IC 13D	0986-00803-5300
74LS174	1	IC 14B	0986-00803-7500
74190	1	IC 11D	0986-00803-9400
74LS191	6	IC3F-5F,8F-10F	0986-00803-5600
74LS244	5	IC2B,4B,5B 2E,2F	0986-00803-4800
74LS245	1	IC 11A	0986-00803-6400
74LS273	2	IC3A,4A	0986-00803-4700
74LS367	1	IC 14C	0986-00803-7000
74LS374	1	IC 5A	0986-00803-4600
74LS670	2	IC9B,11B	0986-00803-6300
AY-3-8910	2	IC6F,7F	0986-00803-8500
LM3900	1	IC 3D	0986-00803-4900
MC3403	2	IC10C,10E	0986-00803-5000
MC14016	3	IC7D-9D	0986-00803-6200
MC14024	1	IC 12C	0986-00803-7100
PROMSB2-A	1	IC 12D	0986-00803-8200
RAM 1K X 8	1	IC 6A	0986-00803-8000
ROM/EPROM 0	1	IC 7A	0A27-00803-0024
ROM/EPROM 1	1	IC 8A	0A27-00803-0025
ROM/EPROM 2	1	IC 9A	NOT USED
ROM/EPROM 3	1	IC 10A	NOT USED
Z-80(3880)	1	IC 12A	0986-00803-5500
16 PIN IC SOCKET	1	ICS 12D	0986-00804-1400
24 PIN IC SOCKET	5	ICS6A-ICS10A	0986-00804-1600
40 PIN IC SOCKET	3	ICS12A,ICS6F,ICS7F	0986-00804-1500
9 PIN KK 100 RT. ANGLE OMIT 4	1	J3	3000-16366-0901
10 PIN KK 100 RT. ANGLE OMIT 8	1	J6	3000-16366-1001
19 PIN KK 100 RT. ANGLE OMIT 14	1	J4	3000-16366-1901
23 PIN KK 100 RT. ANGLE OMIT 19	1	J5	3000-16366-2301
24 PIN KK 100 RT. ANGLE	2	J1,J2	0986-00804-4700
JUMPER WIRE	2	JW1,JW2	0986-00804-4000
YELLOW LED	1	LED 3	0986-00804-2000
8 POSITION DIP SW.	1	SW3	0986-00805-0900
10 POSITION DIP SW.	1	SW1	0986-00805-1000
PB SWITCH	1	SW4	0986-00804-1700
16 MHZ XTAL W/3RD LEAD	1	XTAL 1	0986-00805-1100
SNAPS	3	MHQ101-MHQ103	0017-00007-0134
SUPER SND. I/O BD.	1		A080-90913-G000

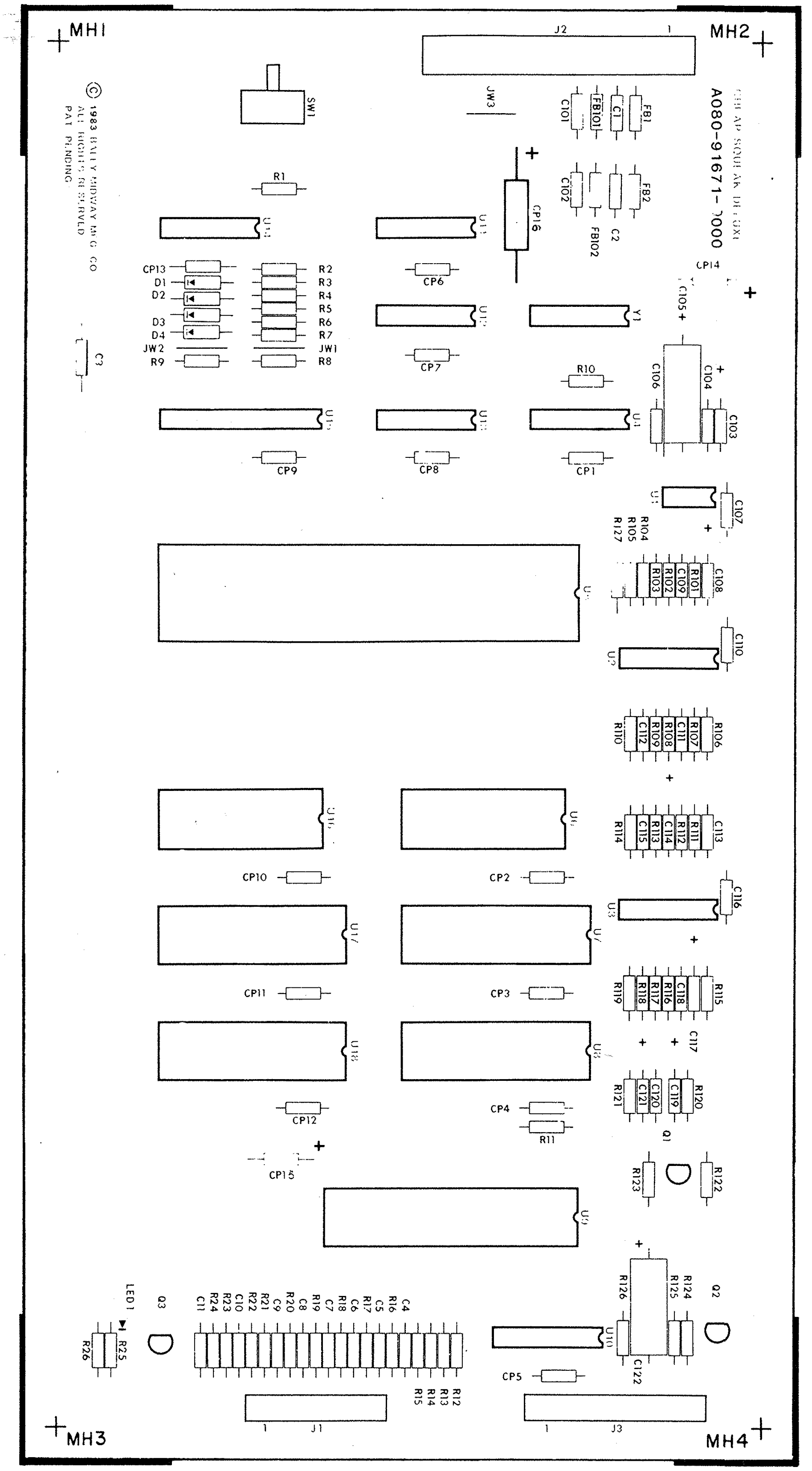
PROJECT ENG: C. MEDNICK		USED ON SPY HUNTER UR	Bally / MIDWAY MFG. CO. FRANKLIN PK ILL
DO NOT SCALE DWG	HEAT TREAT	SCALE FULL	NO. REQ'D 1 PER
DIM TOLERANCES UNLESS SPECIFIED	DRN. RLW	MAT'L	SUPER SOUND I/O BD. ASSEMBLY DWG. A084-90913-AA27
	CKD.	FINISH	PART NO M051 - 00A27 - A011
	DATE 11/01/83		


TO J1
TO J2
5 ADD BUSS
5 DATA BUSS
8v DATA BUSS
8v ADD BUSS
PROJECT ENG J. JARON
USED ON SPY HUNTER
NO REQ'D 1 PER
Bally / MIDWAY MFG. CO.
FRANKLIN PK ILL
REVISIONS
DATE 09/06/83
SCHEMATIC DRAWING
SUPER SOUND I/O
A084-90913-G000
PART NO
M051-00986-G016

DESIGNATION LIST

DESIGNATION NO.	DESCRIPTION
C1,C2	390 PF AX CER
C3-C5	100 PF AX CER
C6,C7	820 PF AX CER
C8-C11	100 PF AX CER
C101,C102	390 PF AX CER
C103	1 MF RD TANT
C104	.01 MF AX CER
C105	47 MF AX ELECT
C106	680 PF AX CER
C107	.01 MF AX CER
C108	1 MF RD TANT
C109	68 PF AX CER 10%
C110	.01 MF AX CER
C111	150 PF AX CER 10%
C112	470 PF AX CER 10%
C113	270 PF AX CER 10%
C114	1 MF RD TANT
C115	5600 PF AX CER 10%
C116	.01 MF AX CER
C117	1 MF RD TANT
C118	270 PF AX CER
C119	10 MF RD TANT
C120	.01 MF AX CER
C121	10 MF RD TANT
C122	47 MF AX ELECT
CP1-CP13	.01MF AX CER
CP14,CP15	10 MF AX TANT
CP16	100 MF AX ELECT
R1-R3	4.7K OHM 1/4W CRBN
R4	10K OHM 1/4W CRBN
R5	100K OHM 1/4W CRBN
R6-R9	4.7K OHM 1/4W CRBN
R10	1K OHM 1/4W CRBN
R11-R14	4.7K OHM 1/4W CRBN
R15,R16	10K OHM 1/4W CRBN
R17,R18	100 OHM 1/4W CRBN
R19-R21	10K OHM 1/4W CRBN
R22	100K OHM 1/4W CRBN
R23	10K OHM 1/4W CRBN
R24	100K OHM 1/4W CRBN
R25	100 OHM 1/4W CRBN
R26	47K OHM 1/4W CRBN
R101	24K OHM 1/4W CRBN
R102	160K OHM 1/4W CRBN
R103	100 OHM 1/4W CRBN
R104	330K OHM 1/4W CRBN
R105	24K OHM 1/4W CRBN
R106	3.3K OHM 1/4W CRBN
R107	24K OHM 1/4W CRBN
R108	150K OHM 1/4W CRBN
R109	82K OHM 1/4W CRBN
R110	510K OHM 1/4W CRBN
R111,R112	120K OHM 1/4W CRBN
R113	33K OHM 1/4W CRBN
R114	330K OHM 1/4W CRBN
R115	150K OHM 1/4W CRBN
R116	33K OHM 1/4W CRBN
R117	18K OHM 1/4W CRBN
R118	100K OHM 1/4W CRBN
R119	510K OHM 1/4W CRBN
R120	47K OHM 1/4W CRBN
R121	1K OHM 1/4W CRBN

DESIGNATION NO.	DESCRIPTION
R122	2.7K OHM 1/4W CRBN
R123,R124	360 OHM 1/4W CRBN
R125	180 OHM 1/4W CRBN
R126	2.7K OHM 1/4W CRBN
R127	560K OHM 1/4W CRBN
D1-D4	1N5817
Q1-Q3	2N5305
U1	MC3340
U2,U3	LM359
U4	74S74
U5	68000-8 CPU
U6	2KX8 RAM
U7	EPROM
U8	EPROM
U9	6821 PIA
U10	AD7533JN DAC
U11	MC14584/40106
U12	74LS74
U13	74LS04
U14	74F32/74S32
U15	CSD002RO PAL
U16	2KX8 RAM 250NS
U17	EPROM
U18	EPROM
FB1,FB2	FERRITE BEAD
FB101,FB102	FERRITE BEAD
ICS U5	64 PIN IC SOCKET
ICS U6	24 PIN IC SOCKET
ICS U7,U8	28 PIN IC SOCKET
ICS U9	40 PIN IC SOCKET
ICS U10	16 PIN IC SOCKET
ICS U15	8 PIN IC SOCKET
ICS U15A	16 PIN IC SOCKET
ICS U16	24 PIN IC SOCKET
ICS U17,U18	28 PIN IC SOCKET
J1	AUTO INSERT PINS TIN .025 SQ. PIN
J2	AUTO INSERT PINS TIN .045 SQ. PIN
J3	AUTO INSERT PINS TIN .025 SQ. PIN
JW1-JW3	ZERO OHM RESISTOR
LED 1	GREEN LED
SW1	SWITCH PC MOUNT
Y1	16 MHZ XSTAC OSC
MH1-MH4	1/4" SPACER FOR #8 SCREW
PC BOARD	A080-91671-D000



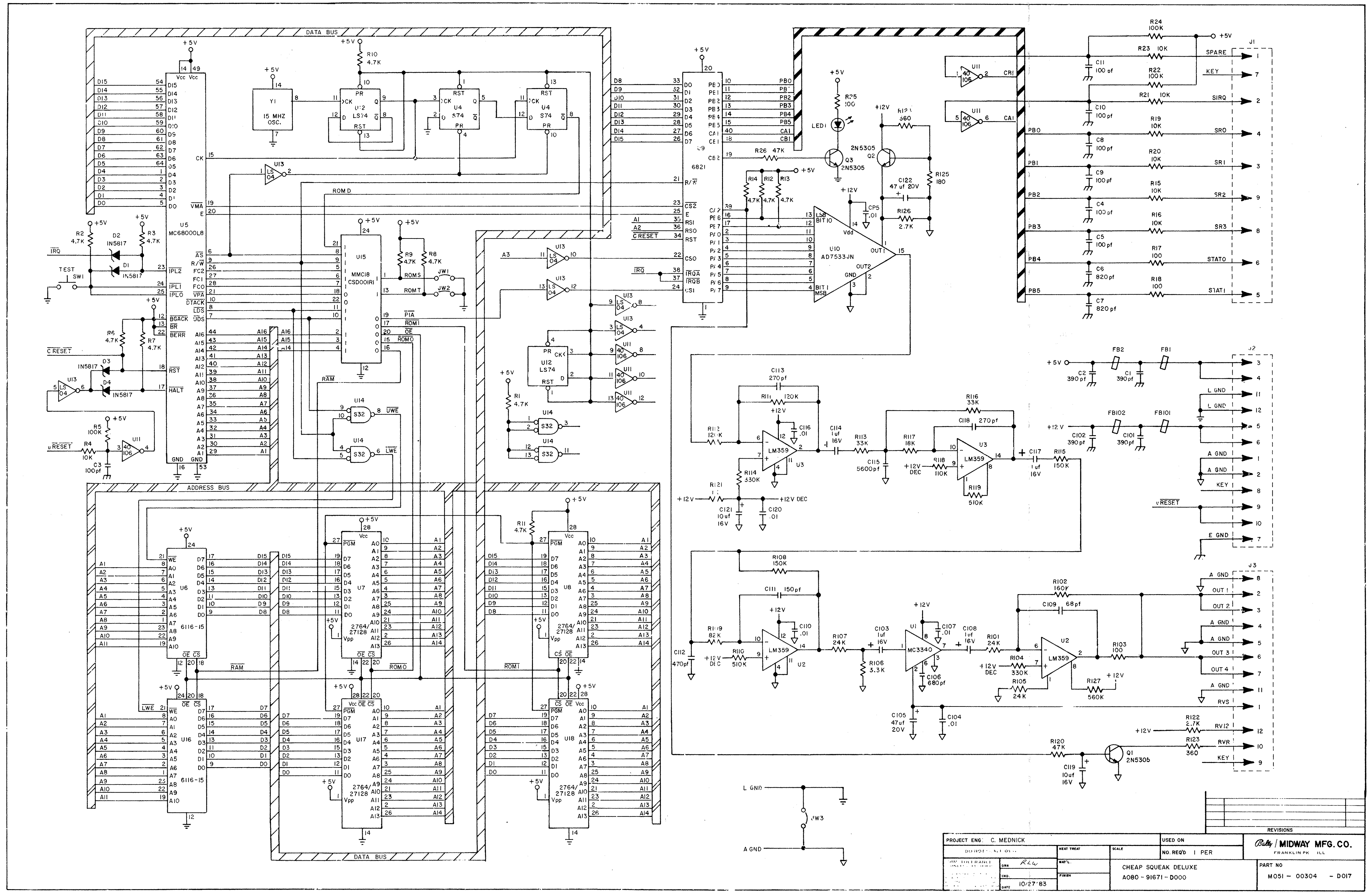
CROSS REFERENCE LIST

DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.
68 PF AX CER 10%	1	C109	0307-00800-0011
100 PF AX CER	7	C3-C5,C8-C11	0304-00800-0001
150 PF AX CER 10%	1	C111	0307-00800-0010
270 PF AX CER 10%	2	C113,C118	0307-00800-0009
390 PF AX CER	4	C1,C2,C101,C102	0986-00800-3000
470 PF AX CER 10%	1	C112	0307-00800-0008
680 PF AX CER	1	C106	0358-00800-0002
820 PF AX CER	2	C6,C7	0304-00800-0002
5600 PF AX CER 10%	1	C115	0307-00800-0007
.01 MF AX CER	18	C104,C107,C110, C116,C120,CP1-CP13	0986-00800-2200
1 MF RD TANT	4	C103,C108,C114 C117	0307-00800-0004
10 MF AX TANT	2	CP14,CP15	0986-00800-0700
10 MF RD TANT	2	C119,C121	0307-00800-0005
47 MF AX ELECT	2	C105,C122	0307-00800-0003
100 MF AX ELECT	1	CP16	0307-00800-0006
100 OHM 1/4W CRBN	4	R17,R18,R25,R103	100E-00005-0033
130 OHM 1/4W CRBN	1	R125	100E-00005-0039
360 OHM 1/4W CRBN	2	R123,R124	100E-00005-0048
1K OHM 1/4W CRBN	2	R10,R121	100E-00005-0061
2.7K OHM 1/4W CRBN	2	R122,R126	100E-00005-0071
3.3K OHM 1/4W CRBN	1	R106	100E-00005-0074
4.7K OHM 1/4W CRBN	11	R1-R3,R6-R9, R11-R14	100E-00005-0079
10K OHM 1/4W CRBN	7	R4,R15,R16,R19-R21,R23	100E-00005-0088
18K OHM 1/4W CRBN	1	R117	100E-00005-0093
24K OHM 1/4W CRBN	3	R101,R105,R107	100E-00005-0097
33K OHM 1/4W CRBN	2	R113,R116	100E-00005-0100
47K OHM 1/4W CRBN	2	R26,R120	100E-00005-0104
82K OHM 1/4W CRBN	1	R109	100E-00005-0112
100K OHM 1/4W CRBN	4	R5,R22,R24,R118	100E-00005-0115
120K OHM 1/4W CRBN	2	R111,R112	100E-00005-0118
150K OHM 1/4W CRBN	2	R108,R115	100E-00005-0120
160K OHM 1/4W CRBN	1	R102	100E-00005-0121
330K OHM 1/4W CRBN	2	R104,R114	100E-00005-0128
510K OHM 1/4W CRBN	2	R110,R119	100E-00005-0133
560K OHM 1/4W CRBN	1	R127	100E-00005-0134
1N5817	4	D1-D4	103E-00003-0009
2N5305	3	Q1-Q3	104E-00007-0003
74LS04	1	U13	0304-00803-0060
74F32/74S32	1	U14	0304-00803-0059
74LS74	1	U12	0304-00803-0058
74S74	1	U4	0304-00803-0061
14584/40106	1	U11	0304-00803-0056
6821 PIA	1	U9	0304-00803-0054
68000-3 CPU	1	U5	0304-00803-0051
AD7533JN	1	U10	0304-00803-0055

DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.
CSD002RO PAL	1	U15	0304-00803-0052
LM359	2	U2,U3	0304-00803-0053
MC3340	1	U1	0304-00803-0002
RAM 2KX8	2	U6,U16	0304-00803-0057
ROM/EPROM	1	U7	0A27-00803-0012
ROM/EPROM	1	U8	0A27-00803-0014
ROM/EPROM	1	U17	0A27-00803-0013
ROM/EPROM	1	U18	0A27-00803-0015
FERRITE BEAD	4	FB1,FB2,FB101, FB102	0316-00804-0002
8 PIN IC SOCKET	1	ICS U15	0986-00804-3600
16 PIN IC SOCKET	2	ICS U10,U15A	0986-00804-1400
24 PIN IC SOCKET	2	ICS U6,U16	0986-00804-1600
28 PIN IC SOCKET	4	ICS U7,U8,U17, U18	0986-00804-3900
40 PIN IC SOCKET	1	ICS U9	0986-00804-1500
64 PIN IC SOCKET	1	ICS U5	0307-00804-0001
AUTO INSERT PIN TIN .025 SQ	8	J1	0304-00804-0009
AUTO INSERT PIN TIN .025 SQ	11	J3	0304-00804-0009
AUTO INSERT PIN TIN .045 SQ	11	J2	0304-00804-0010
ZERO OHM RES	3	JW1-JW3	0986-00804-4000
GREEN LED	1	LED 1	0360-00804-0015
SWITCH PC MTG	1	SW1	0986-00804-3100
16 MHZ XSTAL OSC	1	Y1	0304-00804-0008
1/4" SPACER FOR #8 SCREW	4	MH1-MH4	0017-00042-0320
PC BOARD	1		A080-91671-D000

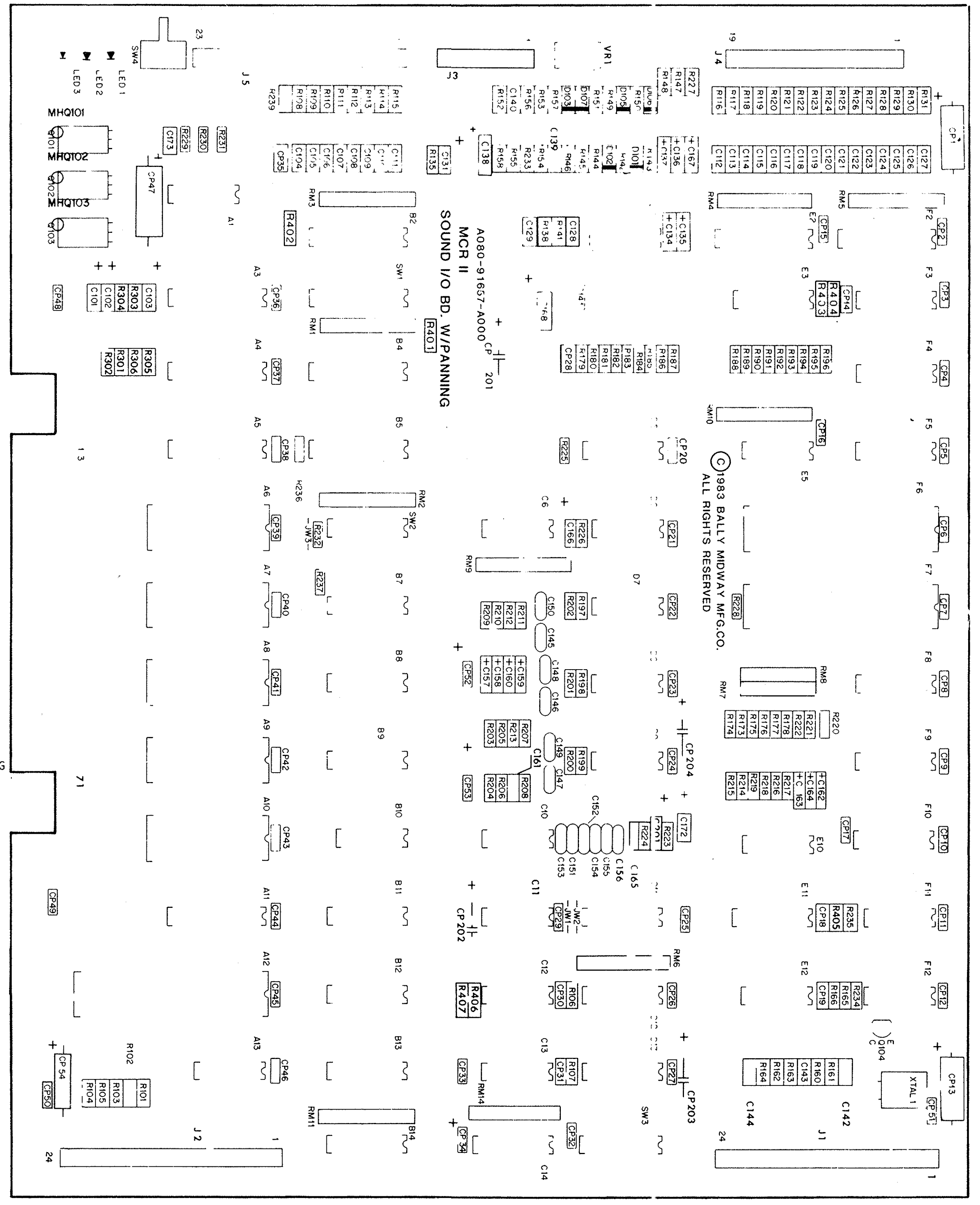
REVISIONS

PROJECT ENG: C. MEDNICK		USED ON	Bally / MIDWAY MFG. CO. FRANKLIN PK. ILL
DO NOT SCALE DWG	HEAT TREAT	SCALE FULL	NO. REQ'D 1 PER
DIM. TOLERANCES UNLESS SPECIFIED	DRN. RLW	MAT'L.	CHEAP SQUEAK DELUXE ASSEMBLY DWG. A080-91671-D000
	CKD.	FINISH	PART NO. M051 - 00304 - D016
	DATE 11/08/83		


DATA BUS
ADDRESS BUS
MC6800OL8
6821
AD7533JN
LM359
MC3340
2764/27128
6116-15
REVISIONS
PROJECT ENG: C. MEDNICK
HEAT TREAT
SCALE
USED ON
NO. REQ'D 1 PER
Bally / MIDWAY MFG. CO.
FRANKLIN PK ILL
DRN
CKD.
DATE 10/27/83
MAT'L.
FINISH
CHEAP SQUEAK DELUXE
A080 - 91671 - D000
PART NO
M051 - 00304 - D017

DESIGNATION LIST

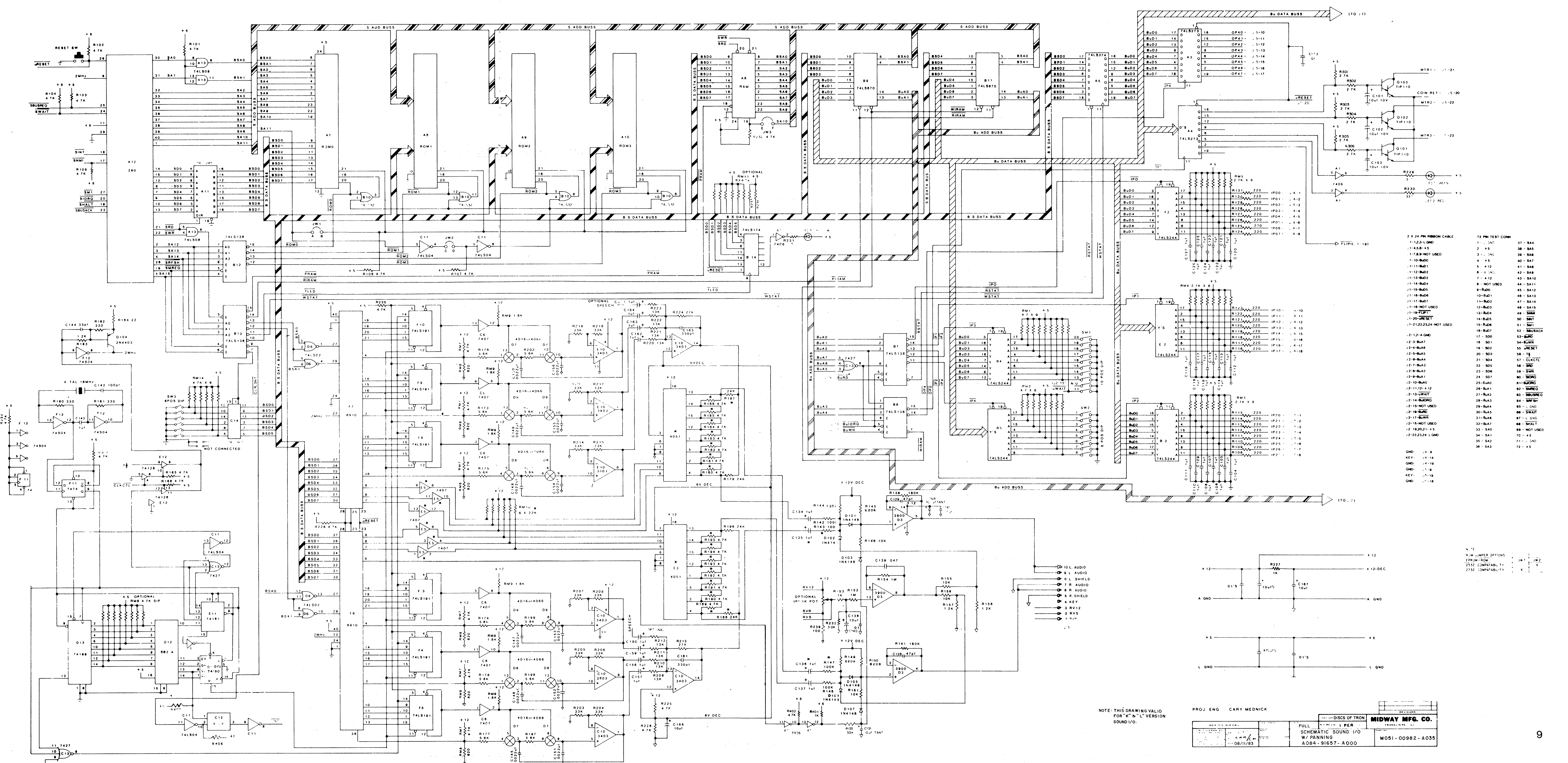
DESIGNATION NO.	DESCRIPTION
C101-C103	10 MF 25V AX. TANT.
C104-C127	.1 MF 50V AX. CER.
C128,C129	47 PF 50V AX. CER.
C131	10 MF 25V AX. TANT.
C134-C137	1 MF 20V AX. TANT.
C138	10 MF 25V AX. TANT.
C139	.047 MF 100V MYLAR
C140,C141	.01 MF 50V AX. CER.
C142	100 PF 50V AX. CER.
C143	.1 MF 50V AX. CER.
C144	33 PF 50V AX. CER.
C145-C156	.0022 MF 100V 10% MYLAR
C157-C159	1 MF 20V AX. TANT.
C161	330 PF 50V AX. CER.
C162-C164	1 MF 20V AX. TANT.
C165	330 PF 50V AX. CER.
C166-C168	10 MF 25V AX. TANT.
C172	10 MF 25V AX. TANT.
C173	.01 MF 50V AX. CER.
CP1	470 MF 16V AX. ELECT.
CP2-CP12	.01 MF 50V AX. CER.
CP13	470 MF 16V AX. ELECT.
CP14-CP33	.01 MF 50V AX. CER.
CP34	10 MF 25V AX. TANT.
CP35-CP46	.01 MF 50V AX. CER.
CP47	470 MF 16V AX. ELECT.
CP48-CP51	.01 MF 50V AX. CER.
CP52,CP53	10 MF 25V AX. TANT.
CP54	470 MF 16V AX. ELECT.
CP201-CP204	10 MF 25V AX. TANT.
R101-R107	4.7K OHM 1/4W 5% CRBN.
R108-R131	220 OHM 1/4W 5% CRBN.
R135	33K OHM 1/4W 5% CRBN.
R138,R141	180K OHM 1/4W 5% CRBN.
R142,R143	100K OHM 1/4W 5% CRBN.
R144,R145	620K OHM 1/4W 5% CRBN.
R146	10K OHM 1/4W 5% CRBN.
R147,R148	100K OHM 1/4W 5% CRBN.
R149,R150	620K OHM 1/4W 5% CRBN.
R151	10K OHM 1/4W 5% CRBN.
R152	1MEG. OHM 1/4W 5% CRBN.
R153	1K OHM 1/4W 5% CRBN.
R154	1MEG. OHM 1/4W 5% CRBN.
R155,R156	10K OHM 1/4W 5% CRBN.
R157,R158	1.2K OHM 1/4W 5% CRBN.
R160,R161	330 OHM 1/4W 5% CRBN.
R162	220 OHM 1/4W 5% CRBN.
R163	1.2K OHM 1/4W 5% CRBN.
R164	22 OHM 1/4W 5% CRBN.
R165,R166	4.7K OHM 1/4W 5% CRBN.
R173-R178	5.6K OHM 1/4W 5% CRBN.
R179	24K OHM 1/4W 5% CRBN.
R180-R186	4.7K OHM 1/4W 5% CRBN.
R187,R188	24K OHM 1/4W 5% CRBN.
R189-R195	4.7K OHM 1/4W 5% CRBN.
R196	24K OHM 1/4W 5% CRBN.
R197-R202	5.6K OHM 1/4W 5% CRBN.
R203-R208	33K OHM 1/4W 5% CRBN.
R209-R211	13K OHM 1/4W 5% CRBN.
R213	27K OHM 1/4W 5% CRBN.
R214-R219	33K OHM 1/4W 5% CRBN.
R220-R222	13K OHM 1/4W 5% CRBN.
R224	27K OHM 1/4W 5% CRBN.
R225,R226	4.7K OHM 1/4W 5% CRBN.
R227	1K OHM 1/4W 5% CRBN.
R228	4.7K OHM 1/4W 5% CRBN.
R231	300 OHM 1/4W 5% CRBN.
R232	4.7K OHM 1/4W 5% CRBN.
R233	3K OHM 1/4W 5% CRBN.
R234,R235	4.7K OHM 1/4W 5% CRBN.
R239	100 OHM 1/4W 5% CRBN.
R301-R306	2.7K OHM 1/4W 5% CRBN.
R401	1K OHM 1/4W 5% CRBN.
R402	4.7K OHM 1/4W 5% CRBN.
R405-R407	4.7K OHM 1/4W 5% CRBN.
RM1	4.7K OHM 10 PIN S.I.P.
RM3-RM5	2.7K OHM 10 PIN S.I.P.
RM7	4.7K OHM 8 PIN S.I.P.
RM8	820 OHM 8 PIN S.I.P.
RM9	1.8K OHM 10 PIN S.I.P.
RM10	22K OHM 10 PIN S.I.P.
RM14	4.7K OHM 10 PIN S.I.P.
D101-D103	1N4148
D105-D107	1N4148
Q101-Q103	T1P110
Q104	2N4403
IC1A	7406
IC3A,4A	74LS273
IC5A	74LS374
IC6A	1K X 8 RAM
IC7A	ROM/EPROM 0
IC8A	ROM/EPROM 1
IC9A	ROM/EPROM 2
IC10A	ROM/EPROM 3
IC11A	74LS245
IC12A	Z-80 CPU
IC13A	74LS08
IC2B,4B	74LS244
IC7B,8B	74LS138
IC9B	74LS670
IC10B	74LS32
IC11B	74LS670
IC12B,13B	74LS138
IC14B	74LS174
IC6C	7407
IC10C	MC3403
IC11C	74LS04
IC12C	MC14024
IC13C	7427
IC14C	74LS367
IC3D	LM3900
IC5D	MC14051
IC6D	74LS02
IC7D-9D	MC14016
IC11D	74190
IC12D	PROMSB2A
IC13D	74166
IC2E	74LS244
IC3E	MC14051
IC5E	7407
IC10E	MC3403
IC11E	74161
IC12E	74126
IC2F	74LS244
IC3F-5F	74LS191
IC6F,7F	AY-3-8910
IC8F-10F	74LS191
IC11F	7474
IC12F	74S04
ICS6A-ICS10A	24 PIN IC SOCKET
ICS12A	40 PIN IC SOCKET
ICS12D	16 PIN IC SOCKET
ICS6F,7F	40 PIN IC SOCKET
J1,J2	24 PIN KK100 RT. ANGLE
J3	10 PIN KK100 RT. ANGLE OMIT 4
J4	19 PIN KK100 RT. ANGLE OMIT 14
J5	23 PIN KK100 RT. ANGLE OMIT 19
JW1,JW2	JUMPER WIRE
LED 3	YELLOW LED
SW1	10 POSITION DIP
SW3	8 POSITION DIP
SW4	PUSHBUTTON S.W.
XTAL 1	16 MHZ XTAL
MHQ101-MHQ103	SNAP
A080-91657-A000	SOUND I/O BD. W/PANNING



PROJECT ENG: C. MEDNICK				USED ON SPY HUNTER SD	Bally / MIDWAY MFG. CO. FRANKLIN PK ILL
DO NOT SCALE DWG		HEAT TREAT	SCALE FULL	NO. REQ'D 1 PER	
DIM. TOLERANCES UNLESS SPECIFIED	DRN. RLW	MAT'L.	ASSEMBLY DWG. SOUND I/O BD. W/ PANNING A084-91657-A307		PART NO. M051 - 00307 - A008
	CKD.	FINISH			
	DATE 11/08/83				

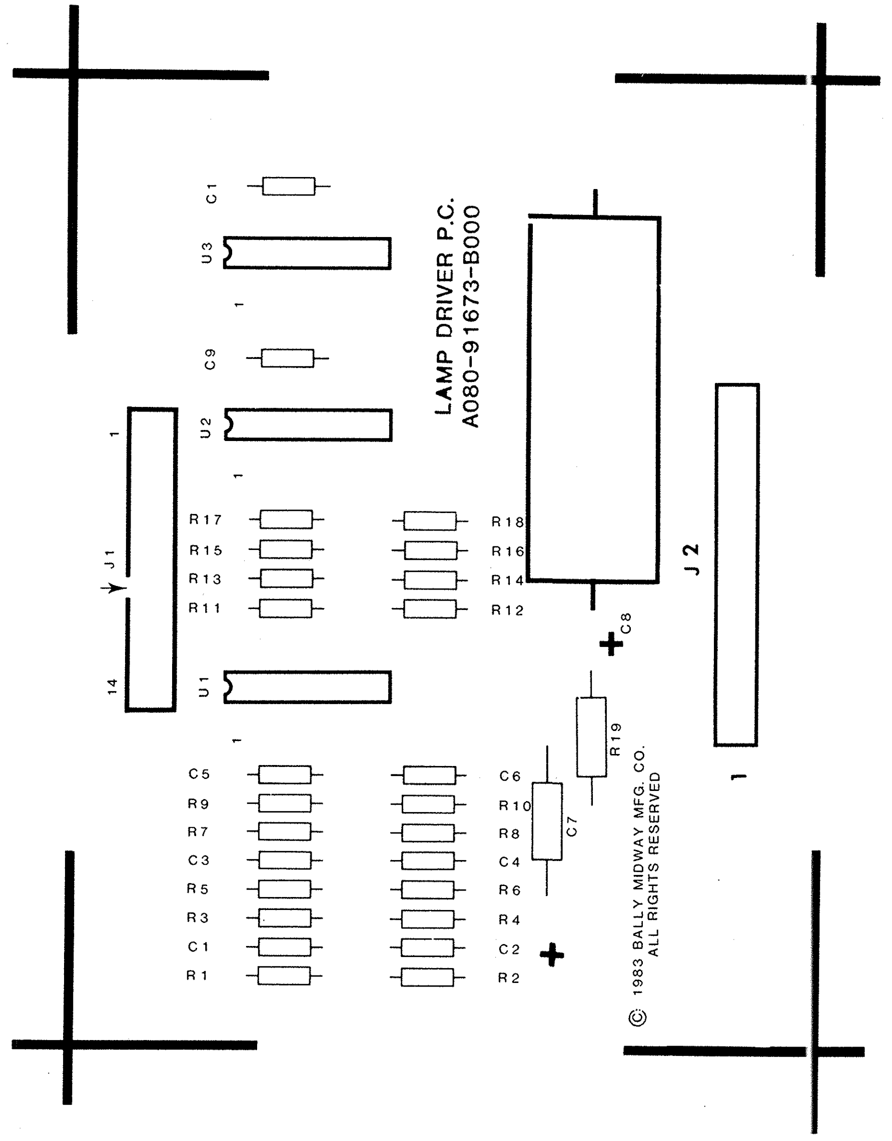
CROSS REFERENCE LIST

DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.
33 PF 50V 5% AX. CER.	1	C144	0986-00800-0300
47 PF 50V AX. CER.	2	C128,C129	0986-00800-2800
100 PF 50V 5% AX. CER.	1	C142	0986-00800-1000
330 PF 50V AX. CER.	2	C161,C165	0986-00800-1300
.0022 MF 100V 10% MYLAR	12	C145-C156	0986-00800-1200
.047 MF 100V MYLAR	1	C139	0986-00800-2600
.01 MF 50V AX. CER.	50	CP2-CP12,CP14-CP33,CP35-CP46,CP48-CP51,C140,C141,C173	0986-00800-2000
.1 MF 50V AX. CER.	25	C104-C127,C143	0986-00800-1100
1 MF 20V AX. TANT.	10	C134-C137,C157-C159,C162-C164	0986-00800-1400
10 MF 25V AX. TANT.	16	CP34,CP52,CP53,CP201-CP204 C101-C103,C131,C138,C166-C168,C172	0986-00800-0700
470 MF 16V AX. ELECT.	4	CP1,CP13,CP47,CP54	0986-00800-2700
22 OHM 1/4W 5% CRBN.	1	R164	0062-063B3-1XXX
100 OHM 1/4W 5% CRBN.	1	R239	0062-110B3-1XXX
220 OHM 1/4W 5% CRBN.	25	R108-R131,R162	0062-133B3-1XXX
300 OHM 1/4W 5% CRBN.	1	R231	0062-141B3-1XXX
330 OHM 1/4W 5% CRBN.	2	R160,R161	0062-144B3-1XXX
1K OHM 1/4W 5% CRBN.	3	R153,R227,R401	0062-179B3-1XXX
1.2K OHM 1/4W 5% CRBN.	3	R157,R158,R163	0062-183B3-1XXX
2.7K OHM 1/4W 5% CRBN.	6	R301-R306	0062-199B3-1XXX
3K OHM 1/4W 5% CRBN.	1	R233	0062-201B3-1XXX
4.7K OHM 1/4W 5% CRBN.	33	R101-R107,R165,R166,R180-R186,R189-R195,R225,R226,R228,R232,R234,R235,R402,R405-R407	0062-211B3-1XXX
5.6K OHM 1/4W 5% CRBN.	12	R173-R178,R197-R202	0062-215B3-1XXX
10K OHM 1/4W 5% CRBN.	4	R146,R151,R155,R156	0062-227B3-1XXX
13K OHM 1/4W 5% CRBN.	6	R209-R211,R220-R222	0062-233B3-1XXX
24K OHM 1/4W 5% CRBN.	4	R179,R187, R188, R196	0062-245B3-1XXX
27K OHM 1/4W 5% CRBN.	2	R213,R224	0062-247B3-1XXX
33K OHM 1/4W 5% CRBN.	13	R135,R203-R208,R214-R219	0062-251B3-1XXX
100K OHM 1/4W 5% CRBN.	4	R142,R143, R147, R148	0062-275B3-1XXX
180K OHM 1/4W 5% CRBN.	2	R138,R141	0062-287B3-1XXX
620K OHM 1/4W 5% CRBN.	4	R144,R145,R149,R150	0062-313B3-1XXX
1 MEG. OHM 1/4W 5% CRBN.	2	R152,R154	0062-323B3-1XXX
820 OHM 8 PIN S.I.P.	1	RM8	0986-00805-0800
1.8K OHM 10 PIN S.I.P.	1	RM9	0986-00805-0600
2.7K OHM 10 PIN S.I.P.	3	RM3-RM5	0986-00805-0500
4.7K OHM 8 PIN S.I.P.	1	RM7	0986-00805-0400
4.7K OHM 10 PIN S.I.P.	2	RM1,RM14	0986-00805-0300
22K OHM 10 PIN S.I.P.	1	RM10	0986-00805-0700
1N4148	6	D101-D103,D105-D107	0986-00801-0200
2N4403	1	Q104	0986-00802-0500
T1P110	3	Q101-Q103	0986-00802-0400
74LS02	1	IC 6D	0986-00803-7400
74LS04	1	IC 11C	0986-00803-6900
74S04	1	IC 12F	0986-00803-6600
7406	1	IC 1A	0986-00803-7600
7407	2	IC 5E,6C	0986-00803-5900
74LS08	1	IC 13A	0986-00803-7300
7427	1	IC 13C	0986-00803-7200
74LS32	1	IC 10B	0986-00803-6100
7474	1	IC 11F	0986-00803-6700
74126	1	IC 12E	0986-00803-6800
74LS138	4	IC 7B,8B,12B,13B	0986-00803-6500
74161	1	IC 11E	0986-00803-5100
74166	1	IC 13D	0986-00803-5300
74LS174	1	IC 14B	0986-00803-7500
74190	1	IC 11D	0986-00803-9400
74LS191	6	IC 3F-5F,8F-10F	0986-00803-5600
74LS244	4	IC 2B,4B,2E,2F	0986-00803-4800
74LS245	1	IC 11A	0986-00803-6400
74LS273	2	IC 3A,4A	0986-00803-4700
74LS367	1	IC 14C	0986-00803-7000
74LS374	1	IC 5A	0986-00803-4600
74LS670	2	IC 9B,11B	0986-00803-6300
AY-3-8910	2	IC 6F,7F	0986-00803-8500
LM3900	1	IC 3D	0986-00803-4900
MC3403	2	IC 10C,10E	0986-00803-5000
MC14016	3	IC 7D-9D	0986-00803-6200
MC14024	1	IC 12C	0986-00803-7100
MC14051	2	IC 3E,5D	0986-00803-5400
PROMSB2-A	1	IC 12D	0986-00803-8200
RAM 1K X 8	1	IC 6A	0986-00803-8000
ROM/EPROM 0	1	IC 7A	0307-00803-0006
ROM/EPROM 1	1	IC 8A	0307-00803-0007
ROM/EPROM 2	1	IC 9A	NOT USED
ROM/EPROM 3	1	IC 10A	NOT USED
Z-80(3880)	1	IC 12A	0986-00803-5500
16 PIN IC SOCKET	1	ICS 12D	0986-00804-1400
24 PIN IC SOCKET	5	ICS 6A-ICS 10A	0986-00804-1600
40 PIN IC SOCKET	3	ICS 12A,ICS 6F,ICS 7F	0986-00804-1500
10 PIN KK 100 RT. ANGLE OMIT 4	1	J3	3000-16366-1002
19 PIN KK 100 RT. ANGLE OMIT 14	1	J4	3000-16366-1901
23 PIN KK 100 RT. ANGLE OMIT 19	1	J5	3000-16366-2301
24 PIN KK 100 RT. ANGLE	2	J1,J2	0986-00804-4700
JUMPER WIRE	2	JW1,JW2	0986-00804-4000
YELLOW LED	1	LED 3	0986-00804-2000
8 POSITION DIP SW.	1	SW3	0986-00805-0900
10 POSITION DIP SW.	1	SW1	0986-00805-1000
PB SWITCH	1	SW4	0986-00804-1700
16 MHZ XTAL W/3RD LEAD	1	XTAL 1	0986-00805-1100
SNAPS	3	MHQ101-MHQ103	0017-00007-0134
SOUND I/O BD. W/PANNING	1		A080-91657-A000


NOTE: THIS DRAWING VALID FOR "K" & "L" VERSION SOUND I/O.
PROJ ENG CARY MEDNICK
DISCS OF TRON
1 PER
FULL
SCHEMATIC SOUND I/O
W/ PANNING
A084-91657-A000
08/11/83
MIDWAY MFG. CO.
M051-00982-A035

DESIGNATION LIST

DESIGNATION NO.	DESCRIPTION
C1-C4	100 PF 50V AX CER
C5	.01 UF 50V AX CER
C6	100 PF 50V AX CER
C7	10 UF 16V AX ELECT
C8	4700 UF 25V AX ELECT
C9,C10	.01 UF 50V AX CER
R1	10K OHM 1/4W 5%
R2	100K OHM 1/4W 5%
R3	10K OHM 1/4W 5%
R4	100K OHM 1/4W 5%
R5	10K OHM 1/4W 5%
R6	100K OHM 1/4W 5%
R7	10K OHM 1/4W 5%
R8	100K OHM 1/4W 5%
R9	10K OHM 1/4W 5%
R10	100K OHM 1/4W 5%
R11-R18	100K OHM 1/4W 5%
R19	2.2 OHM 1W 5%
U1	4099
U2,U3	2068B
J1	.025 SQ PIN
J2	.045 SQ PIN
PCMH1-PCMH4	SPACER #8
P.C. BOARD	A080-91673-A000

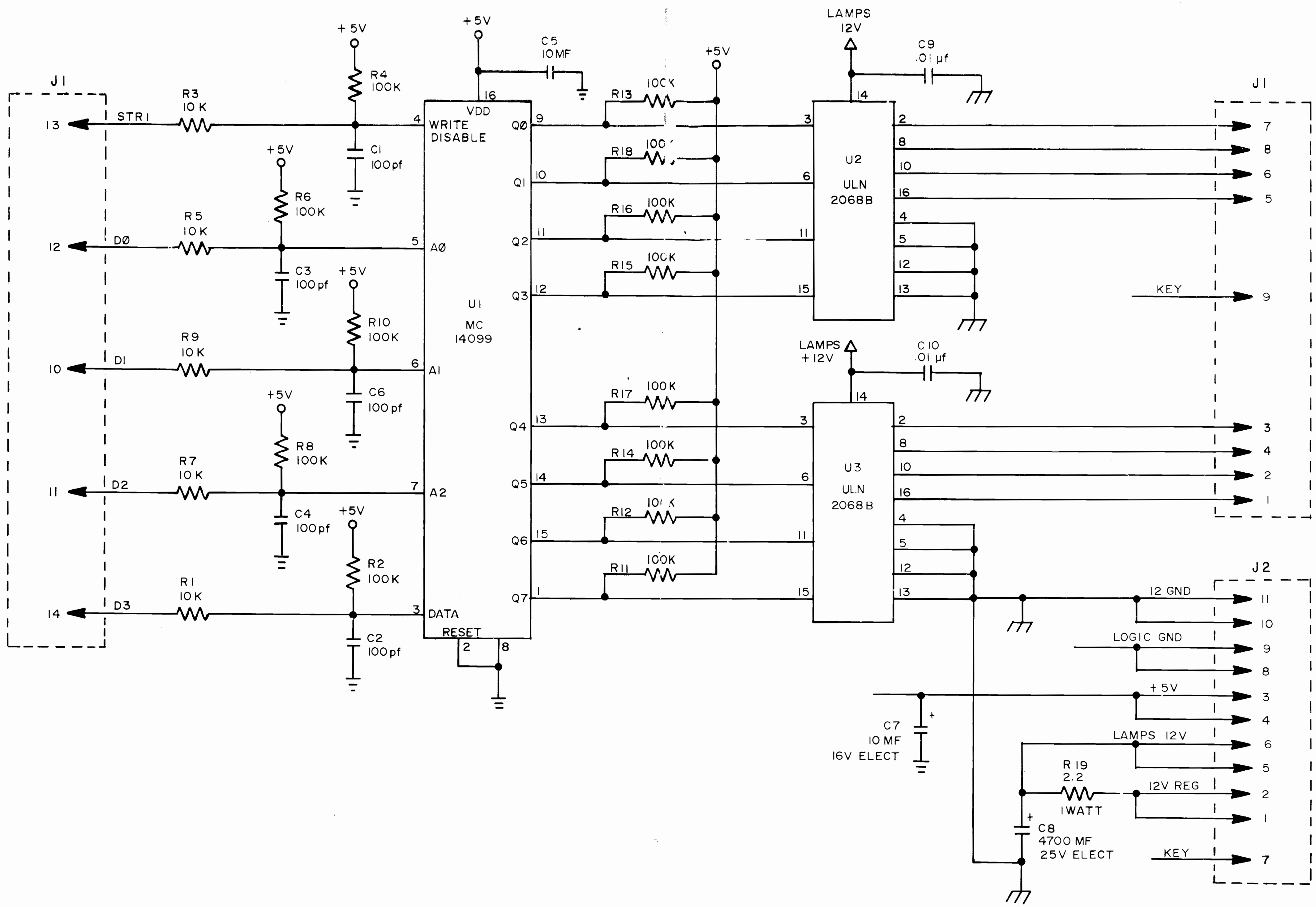


CROSS REFERENCE LIST

DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.
100 PF 50V AX CER	5	C1-C4,C6	0639-00800-0003
.01 UF 50V AX CER	3	C5,C9,C10	0628-00800-0100
10 MF 16V AX ELECT	1	C7	0628-00800-0300
4700 UF 25V AX ELECT	1	C8	0383-00800-0006
2.2 OHM 1W 5%	1	R19	100E-00007-0003
10K OHM 1/4W 5%	5	R1,R3,R5,R7,R9	100E-00005-0088
100K OHM 1/4W 5%	13	R2,R4,R6,R8,R10 R11-R18	100E-00005-0115
2068B	2	U2,U3	0307-00803-0003
4099	1	U1	0307-00803-0004
.025 SQ PIN	13	J1	0017-00033-0479
.045 SQ PIN	10	J2	0017-00033-0480
SPACER #8	4	PCMH1-PCMH4	0017-00042-0320
P.C. BOARD	1		A080-91673-A000

REVISIONS

PROJECT ENG: J. BOYDSTON		USED ON	Bally / MIDWAY MFG. CO. FRANKLIN PK. ILL.
DO NOT SCALE DWG.	HEAT TREAT	SCALE FULL	NO. REQ'D 1 PER
TOLERANCES UNLESS OTHERWISE NOTED	DRN. ted	MAT'L	ASSEMBLY DWG LAMP DRIVER P.C. A080-91673-B000
	CKD.	FINISH	PART NO. M051-00114-B094
	DATE 10/28/83		

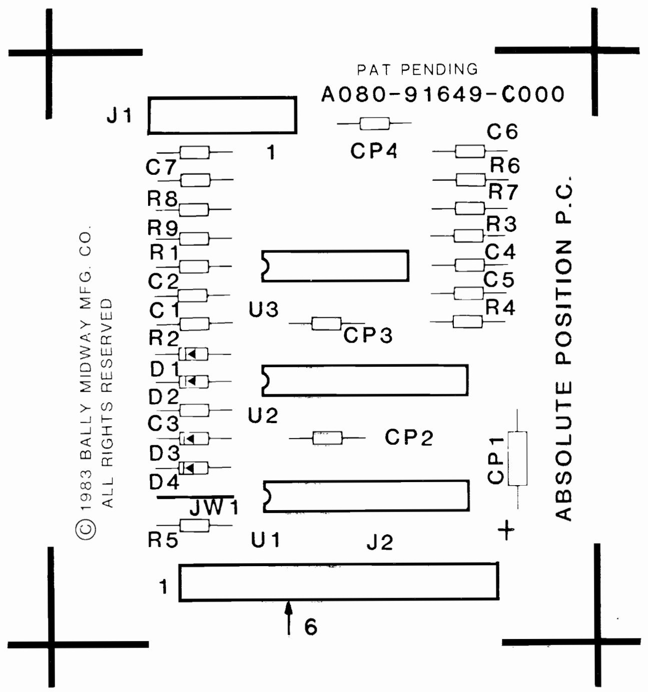


REVISIONS

PROJECT ENG: J. BOYDSTON		USED ON	Bally / MIDWAY MFG. CO. FRANKLIN PK ILL
DO NOT SCALE DWG	HEAT TREAT	SCALE FULL	NO. REQ'D 1 PER
DIM. TOLERANCES UNLESS SPECIFIED	DRN.	MAT'L.	SCHEMATIC DWG LAMP DRIVER P.C. A084-91673-B000
	CKD.	FINISH	PART NO. M051- 00114 -B095
	DATE 10/27/83		

DESIGNATION LIST

DESIGNATION NO.	DESCRIPTION
C1,C2	0.1 MF 50V AX CER
C3	.01 MF 50V AX CER
C4	.1 MF 50V AX CER
C5	150 PF 50V AX CER
C6,C7	100 PF 50V AX CER
CP1	10 MF 16V AX
CP2-CP4	.01 MF 50V AX CER
R1,R2	1K OHM 1/4W 5%
R3	2K OHM 1/4W 5%
R4	10K OHM 1/4W 5%
R5	4.7K OHM 1/4W 5%
R6	100K OHM 1/4W 5%
R7	10K OHM 1/4W 5%
R8	100K OHM 1/4W 5%
R9	10K OHM 1/4W 5%
D1-D4	1N4148 DIODE
U1	74LS244
U2	ADC0804
U3	4066
J1	.025 SQ AUTO WIRE
J2	.025 SQ AUTO WIRE
JW1	JUMPER WIRE
PCMH1-PCMH4	SPACER #8
PC BOARD	A080-91649-C000



CROSS REFERENCE LIST

DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.
100 PF 50V AX CER	2	C6,C7	0639-00800-0003
150 PF 50V AX CER	1	C5	0307-00800-0002
.01MF 50V AX CER	4	CP2-CP4,C3	0628-00800-0100
.1 MF 50V AX CER	3	C1,C2,C4	0307-00800-0001
10 MF 16V AX	1	CP1	0628-00800-0300
1K OHM 1/4W 5%	2	R1,R2	
2K OHM 1/4W 5%	1	R3	100E-00005-0061
4.7K OHM 1/4W 5%	1	R5	100E-00005-0068
10K OHM 1/4W 5%	3	R4,R7,R9	100E-00005-0079
100K OHM 1/4W 5%	2	R6,R8	100E-00005-0115
1N4148 DIODE	4	D1-D4	103E-00002-0005
4066	1	U3	0307-00803-0002
74LS244	1	U1	0639-00803-0003
ADC0804	1	U2	0307-00803-0001
.025 SQ AUTO WIRE	21	J1,J2	0017-00033-0479
JUMPER WIRE	1	JW1	0986-00805-0200
SPACER #8	4	PCMH1-PCMH4	0017-00042-0320
P.C. BOARD	1		A080-91649-C000

REVISIONS

PROJECT ENG. J. BOYDSTON

USED ON DISC OF TRON

HEAT TREAT

SCALE FULL

NO. REQ'D 1 PER

Bally / MIDWAY MFG. CO.
FRANKLIN PK ILL

DRN.

CKD.

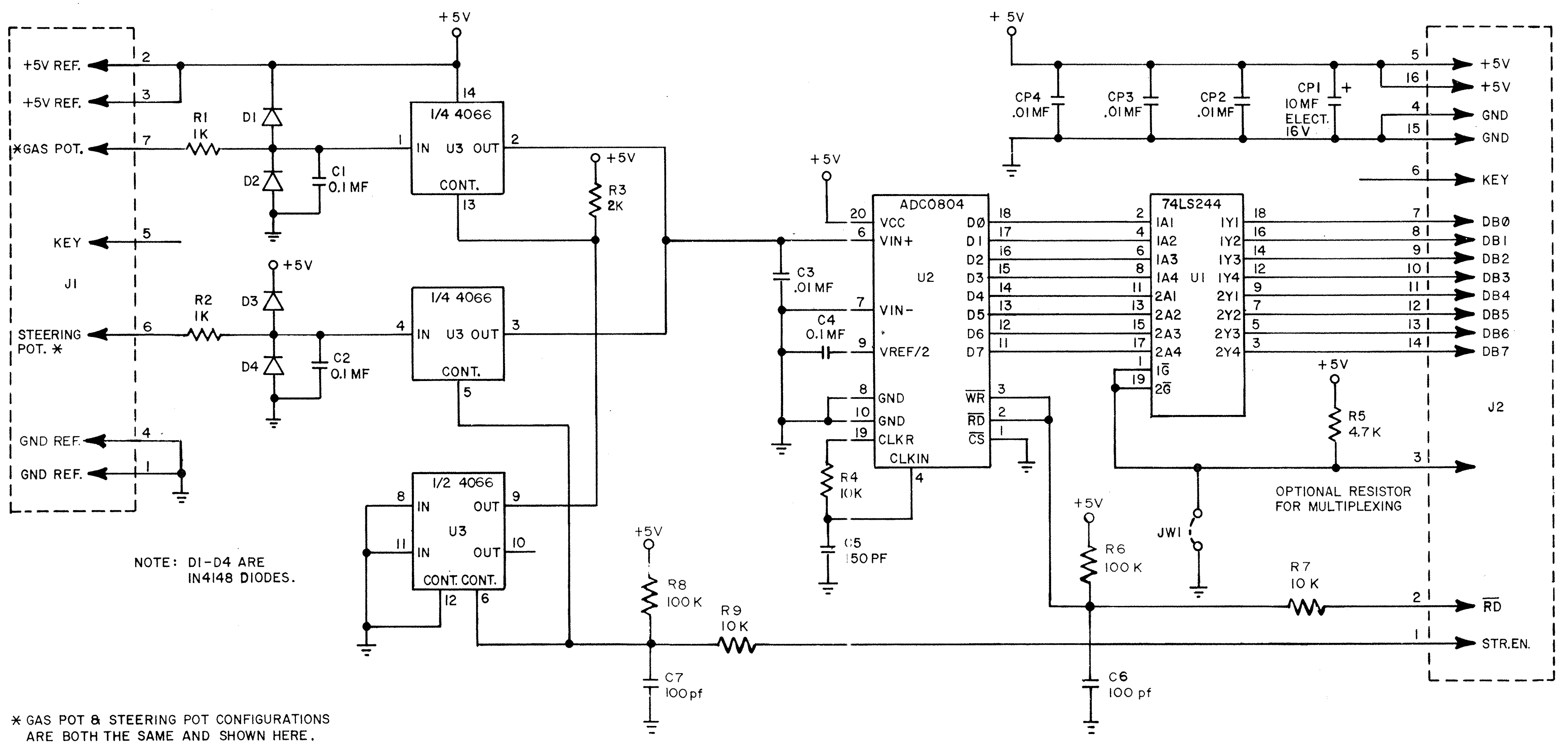
DATE 11/11/83

MAT'L

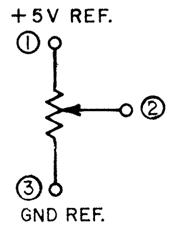
FINISH

ASSEMBLY DWG
ABSOLUTE POSITION P.C.
A080-91649-C000

PART NO. M051 - 00114 - C084



* GAS POT & STEERING POT CONFIGURATIONS ARE BOTH THE SAME AND SHOWN HERE.



		REVISIONS

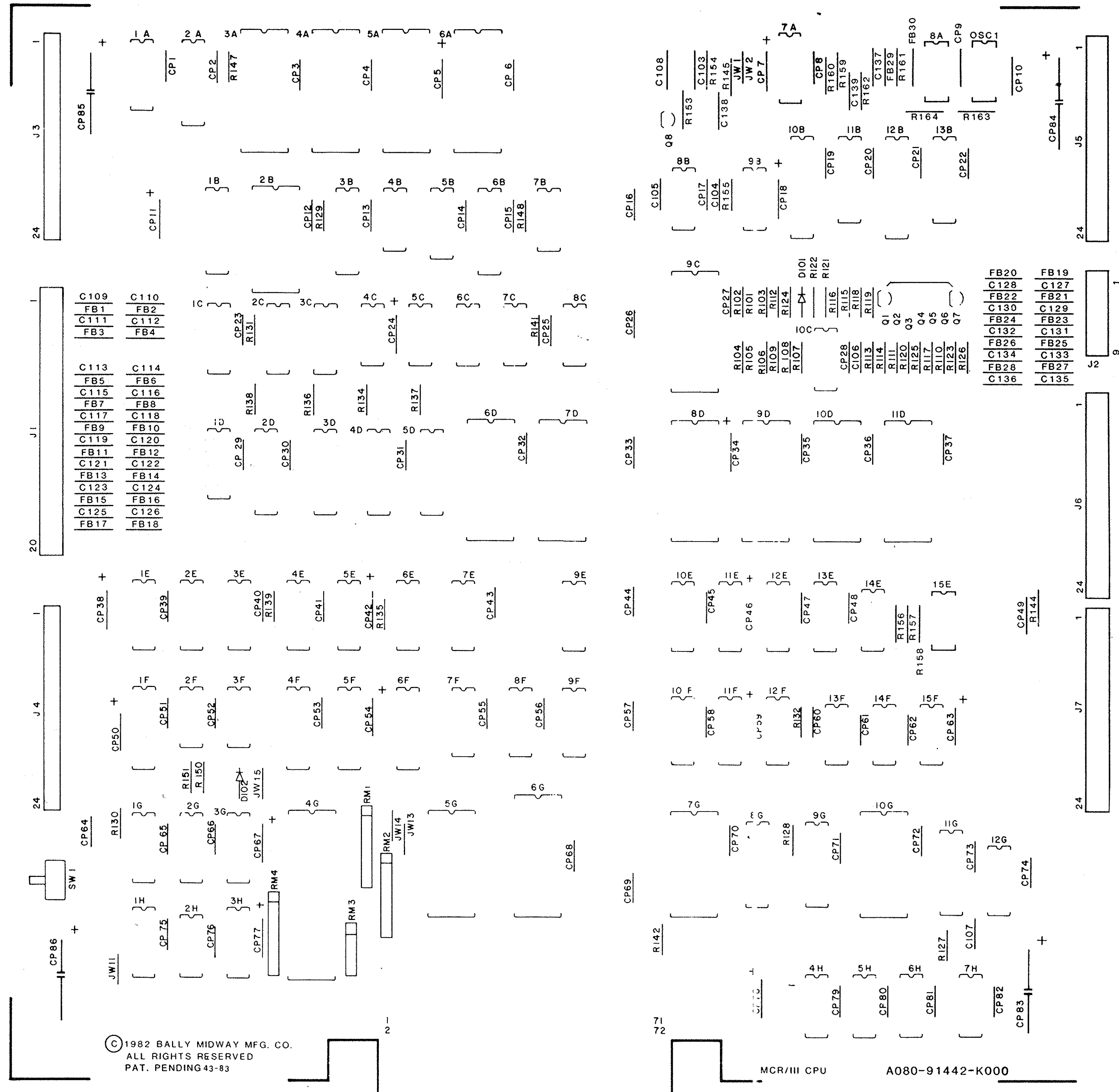
PROJECT ENG J. BOYDSTON			USED ON	Bally / MIDWAY MFG. CO. FRANKLIN PK ILL
DO NOT SCALE DWG	HEAT TREAT	SCALE FULL	NO. REQ'D 1 PER	
DIM TOLERANCES UNLESS SPECIFIED	DRN. RLW	MAT'L.	SCHEMATIC DWG. ABSOLUTE POSITION P.C. A084-91649-C000	PART NO. M051 - 00114 - C085
	CKD.	FINISH		
	DATE 10/27/83			

DESIGNATION LIST

DESIGNATION NO.	DESCRIPTION
C103	33 PF 50V AX CER
C104	.1 MF 50V AX CER
C105	390 MF 50V AX CER
C106	390 MF 50V AX CER
C107	100 PF 50V AX CER
C108	.1 MF 50V AX CER
C109-C126	390 MF 50V AX CER
C127-C136	47 PF 50V AX CER
C137	100 PF AX CER
C138	330 PF AX CER
C139	33 PF AX CER
CP1-CP4	.01MF 50V AX CER
CP5	10 MF 25V AX TANT
CP6	.01 MF 50V AX CER
CP7	10 MF 25V AX TANT
CP8-CP10	.01 MF 50V AX CER
CP11	10 MF 25V AX TANT
CP12-CP17	.01MF 50V AX CER
CP18	10 MF 25V AX TANT
CP19-CP23	.01 MF 50V AX CER
CP24	10 MF 25V AX TANT
CP25-CP33	.01 MF 50V AX CER
CP34	10 MF 25V AX TANT
CP35-CP37	.01 MF 50V AX CER
CP38	10 MF 25V AX TANT
CP39-CP41	.01 MF 50V AX CER
CP42	10 MF 25V AX TANT
CP43-CP45	.01 MF 50V AX CER
CP46	10 MF 25V AX TANT
CP47-CP49	.01 MF 50V AX CER
CP50	10 MF 25V AX TANT
CP51-CP53	.01 MF 50V AX CER
CP54	10 MF 25V AX TANT
CP55-CP58	.01 MF 50V AX CER
CP59	10 MF 25V AX TANT
CP60-CP62	.01 50V AX CER
CP63	10 MF 25V AX TANT
CP64-CP66	.01 50V AX CER
CP67	10 MF 25V AX TANT
CP68-CP76	.01 50V AX CER
CP77,CP78	10 MF 25V AX TANT
CP79-CP82	.01 MF 50V AX CER
CP83-CP86	470 MF 16V AX ELECT
R101	2K OHM 1/4W CRBN
R102	1K OHM 1/4W CRBN
R103	510 OHM 1/4W CRBN
R104	2K OHM 1/4W CRBN
R105	1K OHM 1/4W CRBN
R106	510 OHM 1/4W CRBN
R107	2K OHM 1/4W CRBN
R108	1K OHM 1/4W CRBN
R109	510 OHM 1/4W CRBN
R110-R112	270 OHM 1/4W CRBN
R113	100 OHM 1/4W CRBN
R114	820 OHM 1/4W CRBN
R115,R116	10 OHM 1/4W CRBN
R117	470 OHM 1/4W CRBN
R118,R119	10 OHM 1/4W CRBN
R120	470 OHM 1/4W CRBN
R121,R122	10 OHM 1/4W CRBN
R123	470 OHM 1/4W CRBN
R124	1K OHM 1/4W CRBN
R125,R126	560 OHM 1/4W CRBN
R127-R129	1K OHM 1/4W CRBN
R130	4.7K OHM 1/4W CRBN
R131 R132	1K OHM 1/4W CRBN
R134-R139	1K OHM 1/4W CRBN
R141,R142	1K OHM 1/4W CRBN
R144	1K OHM 1/4W CRBN
R145	1K OHM 1/4W CRBN
R147	1K OHM 1/4W CRBN
R148	1K OHM 1/4W CRBN
R150,R151	1K OHM 1/4W CRBN
R153	68 OHM 1/4W CRBN
R154	82K OHM 1/4W CRBN
R155	1K OHM 1/4W CRBN
R156-R158	82 OHM 1/4W CRBN
R159,R160	68 OHM 1/4W CRBN
R16	33 OHM 1/4W CRBN
R162	82 OHM 1/4W CRBN
R163,R164	68 OHM 1/4W CRBN

DESIGNATION NO.	DESCRIPTION
RM1	4.7K 10 PIN SIP
RM2	4.7K 10 PIN SIP
RM3	4.7K 6 PIN SIP
RM4	4.7K 10 PIN SIP
D101	4148
D102	1N5817
SW1	P.B. SWITCH
Q1	2N4123
Q2-Q7	MPSA70
Q8	2N4403
OSC1	20 MHZ XTAL OSC
JW1,JW2	JUMPER WIRE
JW11 JW13	JUMPER WIRE
JW14,JW15	JUMPER WIRE
FB1-FB30	FERRITE BEAD
1A	74LS153
2A	74LS273
3A	EPROM BG-A
4A	EPROM BG-B
5A	EPROM BG-C
6A	EPROM BG-D
7A	74S161
8A	74S04
1B	74LS245
2B	2K X 8 RAM
3B	74LS273
4B	74LS86
5B	74LS153
6B	74LS273
7B	74S04
8B	74LS74
9B	74LS74
10B	H-T
11B	V&H
12B	V-T
13B	MISC
1C	74LS157
2C	74LS157
3C	74LS157
4C	74LS30
5C	74LS04
6C	74LS32
7C	74LS20
8C	74LS08
9C	82S09
10C	74LS04
1D	74LS157
2D	74LS273
3D	74LS273
4D	74LS273
5D	74LS273
6D	EPROM A
7D	EPROM B
8D	EPROM C
9D	EPROM D
10D	EPROM E
11D	EPROM F
1E	74LS161
2E	74LS161
3E	74LS161
4E	74LS161
5E	74LS161
6E	74LS161
7E	74LS175
9E	74LS139
10E	74LS157
11E	74LS157
12E	74LS157

DESIGNATION NO.	DESCRIPTION
13E	74LS174
14E	74LS27
15E	74S04
1F	NVR CONT.
2F	74LS32
3F	74LS04
4F	74LS244
5F	74LS244
6F	74LS245
7F	74LS08
8F	74LS138
9F	74LS32
10F	74LS157
11F	74LS157
12F	74LS157
13F	7430
14F	74LS04
15F	74LS20
1G	4053
2G	4017
3G	74LS367
4G	Z80B
5G	DATA RET RAM
6G	Z80BCTC
7G	STAT RAM
8G	74LS245
9G	74LS273
10G	EPROM 10-G
11G	74LS273
12G	74LS153
1H	74LS138
2H	74LS32
3H	74LS161
4H	74LS27
5H	74LS10
6H	74LS08
7H	7420
ICS A10B,A12B	8 PIN SOCKET
ICS B10B,B12B	16 PIN SOCKET
ICS 4G	40 PIN SOCKET
ICS 11B,13B,1F	20 PIN SOCKET
ICS 2B,5G,7G, 10G	24 PIN SOCKET
ICS 3A-6A,9C, 6G,6D-11D	28 PIN SOCKET
J1	FMD HDR .156C OMIT 15
J2	RMD HDR .100C OMIT 3
J3-J7	FMD HDR .100C 24 PIN RT ANGLE
J3-J7	FLEX PAC JUMPER



CROSS REFERENCE LIST

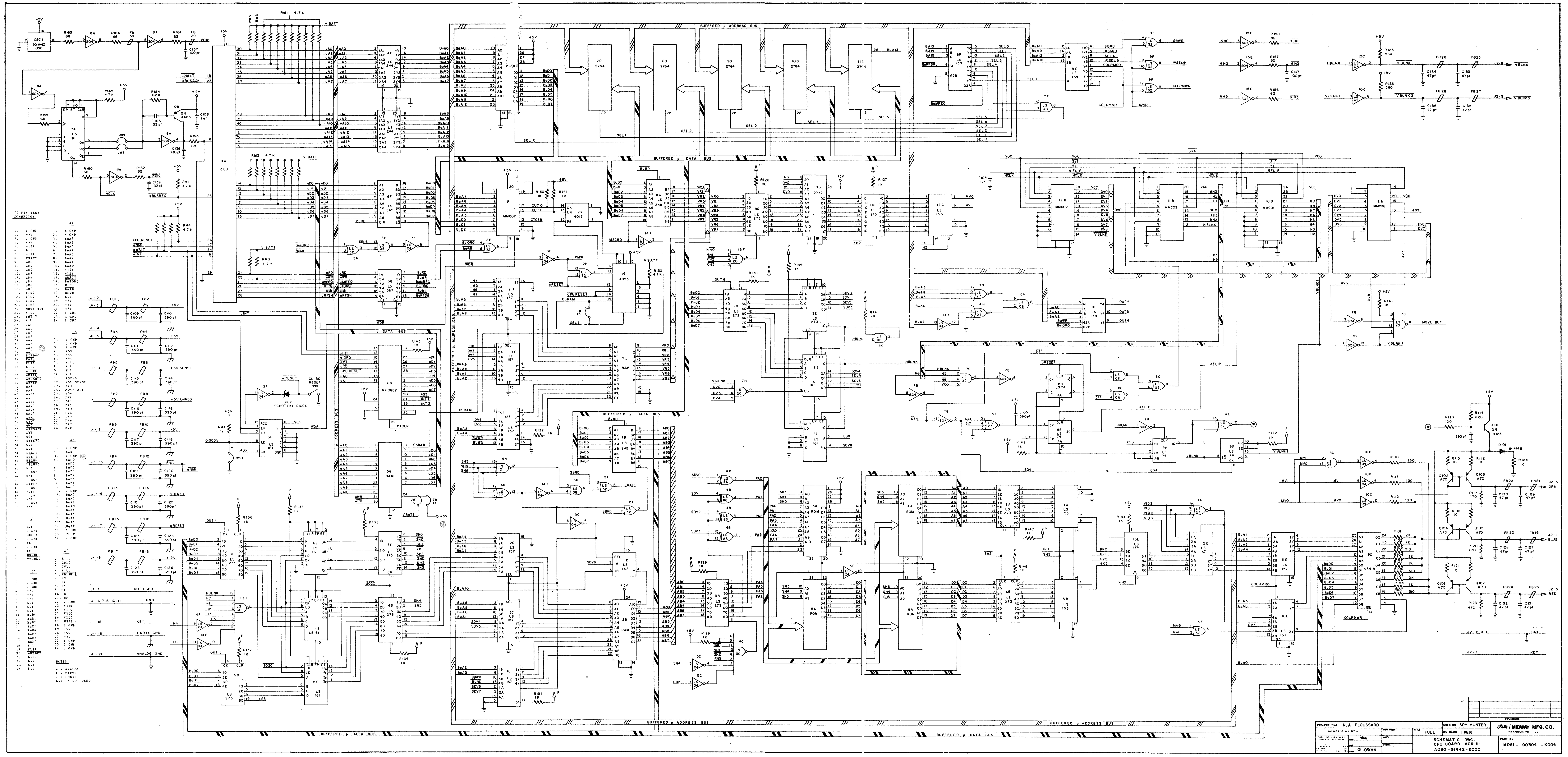
DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.
33 PF	2	C103,C139	0986-00800-0300
47 PF	10	C127-C136	0986-00800-2800
100 PF	2	C107,C137	0986-00800-1000
330 PF	1	C138	0986-00800-1300
390 PF	20	C105,C106,C109-C126	0986-00800-3000
.01UF	66	CP1-CP4,CP6,CP8-CP10,CP12-CP17,CP19-CP23,CP25-CP33,CP35-CP37,CP39-CP41,CP43-CP45,CP47-CP49,CP51-CP53,CP55-CP58,CP60-CP62,CP64-CP66,CP68-CP76,CP79-CP82	0986-00800-2200
.1 UF	2	C104,C108	0986-00800-0200
10 UF	16	CP5,CP7,CP11,CP18 CP24,CP34,CP38,CP42,CP46,CP50,CP54,CP59,CP63,CP67,CP77,CP78	0986-00800-3400
470 UF	4	CP83-CP86	0986-00800-3300
10 OHM 1/4W CRBN	6	R115,R116,R118,R119,R121,R122	100E-00005-0011
33 OHM 1/4W CRBN	1	R161	100E-00005-0021
68 OHM 1/4W CRBN	5	R153,R159,R160,R163,R164	100E-00005-0029
82 OHM 1/4W CRBN	4	R156-R158,R162	100E-00005-0031
100 OHM 1/4W CRBN	1	R113	100E-00005-0033
270 OHM 1/4W CRBN	3	R110,R112,R111	100E-00005-0044
470 OHM 1/4W CRBN	3	R117,R120,R123	100E-00005-0051
510 OHM 1/4W CRBN	3	R103,R106,R109	100E-00005-0053
560 OHM 1/4W CRBN	2	R125,R126	100E-00005-0054
820 OHM 1/4W CRBN	1	R114	100E-00005-0058
1K OHM 1/4W CRBN	24	R102,R105,R108,R124,R127,R128,R129,R131,R132,R134-R139,R141,R142,R144,R145,R147,R148,R150,R151,R155	100E-00005-0061
2K OHM 1/4W CRBN	3	R101,R104,R107	100E-00005-0068
4.7K OHM 1/4W CRBN	1	R130	100E-00005-0079
82K OHM 1/4W CRBN	1	R154	100E-00005-0112
4.7K 10 PIN SIP	3	RM1,RM2,RM4	102E-00004-0026
4.7K 6 PIN SIP	1	RM3	102E-00004-0027
74S04	3	8A,7B,15E	0986-00803-0400
74LS04	4	5C,10C,3F,14F	0986-00803-1007
74LS08	3	8C,6H,7F	0986-00803-1006
74LS10	1	5H	0304-00803-0014
7420	1	7H	0304-00803-0015
74LS20	2	7C,15F	0986-00803-3400
74LS27	2	14E,4H	0986-00803-9500
7430	1	13F	0304-00803-0065
74LS30	1	4C	0304-00803-0016
74LS32	4	6C,2F,2H,9F	0986-00803-0600
74LS74	2	8B,9B	0986-00803-1005
74LS86	1	4B	0986-00803-9900
74LS138	2	8F,1H	0986-00803-1900
74LS139	1	9E	0304-00803-0042
74LS153	3	1A,5B,12G	0986-00803-1000
74LS157	10	1C,2C,3C,1D,10E,11E,12E,10F,11F,12F	0986-00803-9700
74S161	1	7A	0304-00803-0038
74LS161	7	1E,2E,3E,4E,5E,6E,3H	0986-00803-1003
74LS174	1	13E	0986-00803-9800
74LS175	1	7E	0304-00803-0025
74LS244	2	4F,5F	0986-00803-0800
74LS245	3	1B,6F,8G	0986-00803-0900
74LS273	9	2A,3B,6B,2D,9G,11G,3D,4D,5D	0986-00803-1001

DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.
74LS367	1	3G	0986-00803-2200
Z80B	1	4G	0304-00803-0066
Z80BCTC	1	6G	0304-00803-0064
4017	1	2G	0986-00803-8700
4053	1	1G	0986-00803-2000
DATA RET RAM	1	5G	0304-00803-0079
82S09	1	9C	0986-00803-9600
STAT RAM	1	7G	0986-00803-1008
H-T	1	10B	0986-00803-8900
V-T	1	12B	0986-00803-9000
MISC V&H	1	11B	0986-00803-9100
MISC CUSTOM	1	13B	0986-00803-9200
NVR CONT	1	1F	0986-00804-3200
2K X 8 RAM	1	2B	0304-00803-0067
EPROM-A	1	6D	0A27-00803-0001
EPROM-B	1	7D	0A27-00803-0002
EPROM-C	1	8D	0A27-00803-0003
EPROM-D	1	9D	0A27-00803-0004
EPROM-E	1	10D	0A27-00803-0005
EPROM-F	1	11D	0A27-00803-0006
EPROM-BG-A	1	3A	0A27-00803-0007
EPROM-BG-B	1	4A	0A27-00803-0008
EPROM-BG-C	1	5A	0A27-00803-0009
EPROM BG-D	1	6A	0A27-00803-0010
EPROM-10-G	1	10G	0A27-00803-0011
JUMPERS	6	JW1,JW2,JW11,JW13,JW14,JW15	0986-00804-4000
4148	1	D101	103E-00002-0005
1N5817	1	D102	103E-00003-0009
2N4123	1	Q1	104E-00001-0007
MPSA70	6	Q2-Q7	104E-00002-0012
2N4403	1	Q8	104E-00002-0006
P.B. SWITCH	1	SW1	0986-00804-3100
FERRITE BEAD	30	FB1-FB30	0316-00804-0002
20 MHZ ATAL OSC	1	OSC 1	0304-00804-0007
24 PIN SOCKET	4	ICS 2B,5G,7G,10G	0986-00804-3400
40 PIN SOCKET	1	ICS 4G	0986-00804-3500
8 PIN SOCKET	2	ICS A10B,A12B	0986-00804-3600
16 PIN SOCKET	2	ICS B10B,B12B	0986-00804-3700
20 PIN SOCKET	3	ICS 11B,13B,1F	0986-00804-3800
28 PIN SOCKET	12	ICS 3A-6A,9C,6G,6D-11D	0986-00804-3900
KK100 24 PIN RT ANGLE	5	J3-J7	0986-00804-4700
FLEX PAC JUMPER	5	J3-J7	0986-00804-4800
FMD HDR .100C OMIT 3	1	J2	3000-16366-0902
FMD HDR .156C OMIT 15	1	J1	3000-16900-[illegible]

2 6 84	PART NO. FOR KK156 HEADER	BK

REVISIONS

PROJECT ENG: R.A. PLOUSSARD		USED ON SPY HUNTER	Bally / MIDWAY MFG. CO. FRANKLIN PK. ILL
DO NOT SCALE DWG	HEAT TREAT	SCALE FULL	NO REQ'D 1 PER
DIM. TOLERANCES UNLESS SPECIFIED	DRN	MAT'L	MCR III CPU BOARD ASSEMBLY DWG A082-91442-K000
	CKD.	FINISH	PART NO. M051-00304-K003
	DATE 2/6/84		



BUFFERED μ ADDRESS BUS
BUFFERED μ DATA BUS
Z-80
REVISIONS
PROJECT ENG R. A. PLOUSSARD
USED ON SPY HUNTER
NO REQ'D 1 PER
SCALE FULL
DATE 01/09/84
Bally / MIDWAY MFG. CO.
FRANKLIN PK ILL
SCHEMATIC DWG
CPU BOARD MCR III
A080-91442-K000
PART NO
M051- 00304 -K004